

300 E. Mineral Ave., Suite 10 Littleton, CO 80122-2631 303/781-8211 303/781-1167 Fax

August 31, 2006

Fluid Minerals Group Bureau of Land Management Vernal Field Office 170 South 500 East Vernal, Utah 84078

RE: Application for Permit to Drill—Dominion Exploration & Production, Inc.

**RBU 23-19F** 

Surface Location: 654' FNL & 3,156' FWL, NE/4 NW/4, Target Location: 1,450' FNL & 2,850' FEL, SE/4 NW/4, Section 19, T10S, R20E, SLB&M, Uintah County, Utah

Dear Fluid Minerals Group:

On behalf of Dominion Exploration & Production, Inc. (Dominion), Buys & Associates, Inc. respectfully submits the enclosed original and three copies of the Application for Permit to Drill (APD) for the above referenced BLM administered directional 20-acre in-field well. The location of the surface and target location as well as all points along the intended well bore path are not within 460 feet of the unit boundary or any uncommitted tracts. Included with the APD is the following supplemental information:

Exhibit "A" - Survey plats, layouts and photos of the proposed well site;

Exhibit "B" - Proposed location maps with access and utility corridors;

Exhibit "C" - Production site layout;

Exhibit "D" - Drilling Plan;

Exhibit "E" - Surface Use Plan;

Exhibit "F" - Typical BOP and Choke Manifold diagram.

Please accept this letter as Dominion's, written request for confidential treatment of all information contained in and pertaining to this application.

Thank you very much for your timely consideration of this application. Please feel free to contact myself or Carla Christian of Dominion at 405-749-5263 if you have any questions or need additional information.

Sincerely,

Don Hamilton
Agent for Dominion

cc: Diana Whitney, Division of Oil, Gas and Mining Carla Christian, Dominion Ken Secrest, Dominion RECEIVED

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DIV. OF OIL, GAS & MINING

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CONFIDENTIAL

Form 3160-3 (February 2005)				OMB No.	PPROVED 1004-0137 arch 31, 2007		
UNITED STATES DEPARTMENT OF THE BUREAU OF LAND MAN	INTERIOR		_	<ul> <li>5. Lease Serial No. U013769-A</li> <li>6. If Indian, Allotee or Tribe Name</li> </ul>			
APPLICATION FOR PERMIT TO	DRILL OF	REENTER		N/A	or Thou Name		
la. Type of work:  DRILL  REENT		7 If Unit or CA Agree River Bend Un	•	i No.			
lb. Type of Well: Oil Well Gas Well Other	Sin	gle Zone Multip	le Zone	8. Lease Name and V RBU 23-19F	Vell No.		
2. Name of Operator  Dominion Exploration & Production, I		9. API Well No.	047-38	8553			
3a. Address 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134	3b. Phone No. 405-74	(include area code) 9-5263		10. Field and Pool, or I Natural Buttes			
4. Location of Well (Report location clearly and in accordance with at At surface 654' FNL & 3,156' FWL, NE/4 NW At proposed prod. zone 1,450' FNL & 2,850' FEL, SE/4 NV	V/4,	ents.*)		11. Sec., T. R. M. or B Section 19, T1			
14. Distance in miles and direction from nearest town or post office*  10.83 miles southwest of Ouray, Utah	<u> </u>		12. County or Parish Uintah			tate UT	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any) 654*	16. No. of a		17. Spacin	ng Unit dedicated to this well cres			
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.  10'	19. Proposed 8,550' TV	l Depth /D (8,778' MD)	20. BLM/I WY 3	WBIA Bond No. on file			
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5,123' GR	22. Approxi	nate date work will star 11/01/2006	rt*	* 23. Estimated duration 14 days			
· · · · · · · · · · · · · · · · · · ·	24. Attac	chments	387				
<ol> <li>The following, completed in accordance with the requirements of Onshot.</li> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> <li>A Surface Use Plan (if the location is on National Forest System SUPO must be filed with the appropriate Forest Service Office).</li> </ol>		4. Bond to cover the litem 20 above).  5. Operator certification.	he operation	is form:  ns unless covered by an  ormation and/or plans as	J	` .	
25. Signature Don Hamilton		(Printed/Typed) Don Hamilton			Date <b>08/31/20</b> 0	06	
Title Agent for Domanden							
Approved by (Signature)	Name	(Printed/Typed)	3 HII	1	Date 09 - 75	5-0(	
Title	Office	Offigenvironmental manager					
Application approval does not warrant or certify that the applicant hol conduct operations thereon.	lds legal or equi	table title to those righ	ts in the sub	oject lease which would o	entitle the applic	antto	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Conditions of approval, if any, are attached.

Surt 610244 X 44214928 39,938258 -109.709687 BHU 610395X Federal Approval of this Action is Necessary ...
4421249 Y
39.936053
-109.707962

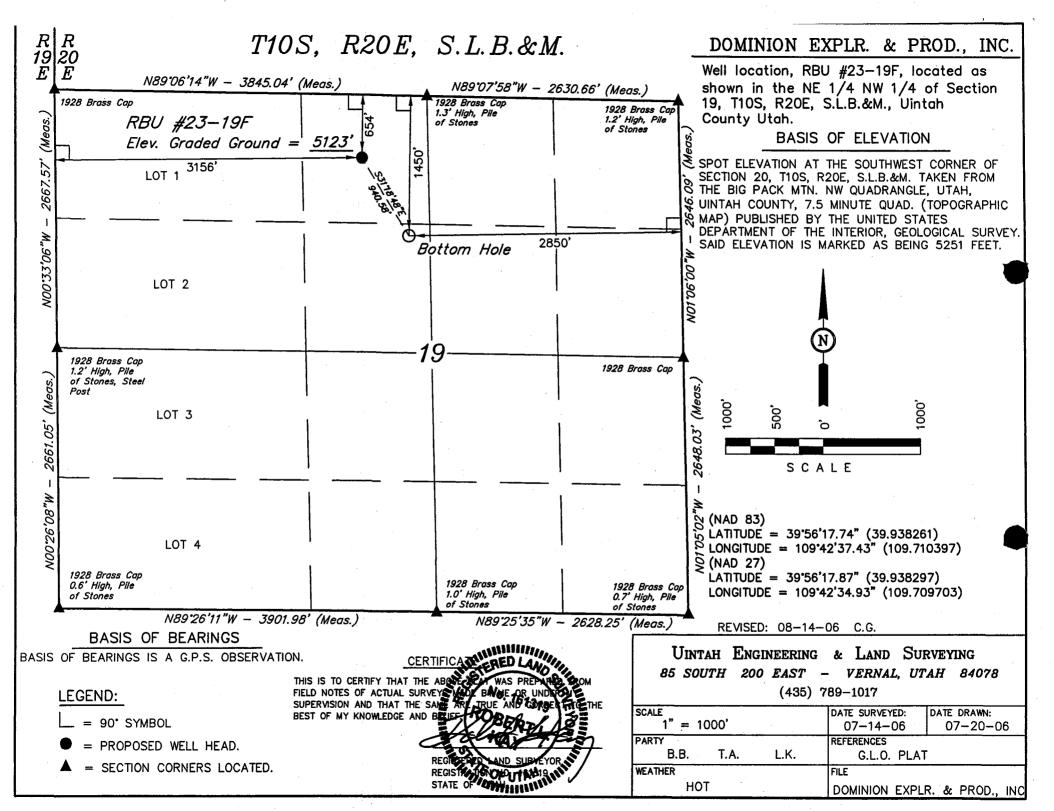
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<sup>\*(</sup>Instructions on page 2)



### APPROVAL OF OPERATIONS

### **Attachment for Permit to Drill**

Name of Operator:

Dominion Exploration & Production

Address:

14000 Quail Springs Parkway, Suite 600

Oklahoma City, OK 73134

Well Location:

**RBU 23-19F** 

SHL: 654' FNL & 3156' FWL Section 19-10S-20E BHL: 1450' FNL & 2850' FEL Section 19-10S-20E

Uintah County, UT

1. GEOLOGIC SURFACE FORMATION

Uintah

### 2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

<u>Formation</u>	<u>Depth</u>			
Wasatch Tongue	4,120'			
Uteland Limestone	4,475'			
Wasatch	4,635'			
Chapita Wells	5,545'			
Uteland Buttes	6,770'			
Mesaverde	7,620'			

### 3. ESTIMATED DEPTHS OF ANTICIPATED WATER. OIL, GAS OR MINERALS

<b>Formation</b>	<u>Depth</u>	Type
Wasatch Tongue	4,120'	Oil
Uteland Limestone	4,475'	Oil
Wasatch	4,635'	Gas
Chapita Wells	5,545'	Gas
Uteland Buttes	6,770°	Gas
Mesaverde	7,620'	Gas

### 4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

Type	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	Conn.	<u>Top</u>	Bottom	<u>Hole</u>
Surface	13-3/8"	48.0 ppf	H-40	STC	0'	500'	17-1/2"
Intermediate	9-5/8"	36.0 ppf	J-55	STC	0'	3,330'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	8,550'	7-7/8"

### 5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.

Intermediate hole: To be drilled using a diverter stack with rotating head to divert flow from rig floor.

<u>Production hole</u>: Prior to drilling out the intermediate casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from surface to total depth. The blind rams will be tested once per day from surface to total depth if operations permit.

### APPROVAL OF OPERATIONS

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling out surface casing shoe and anytime a new casing string is set..

All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1.	Annular BOP	1,500 psi
2.	Ram type BOP	3,000 psi
3.	Kill line valves	3,000 psi
4.	Choke line valves and choke manifold valves	3,000 psi
5.	Chokes	3,000 psi
6.	Casing, casinghead & weld	1,500 psi
7.	Upper kelly cock and safety valve	3,000 psi
8.	Dart valve	3,000 psi

### 6. MUD SYSTEMS

- An air or an air/mist system may be used to drill to drill the surface hole until water influx becomes too great.
- KCL mud system will be used to drill well.
- The mud system will be monitored manually/visually.

Depths	Mud Weight (ppg)	Mud System
0' - 500'	8.4	Air foam mist, no pressure control
500' - 3,330'	8.6	Fresh water, rotating head and diverter
3,330' - 8,550	8.6	Fresh water/2% KCL/KCL mud system

#### BLOOIE LINE

- An automatic igniter will not be installed on blooie line. The blooie will have a contant ignition source.
- A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
- "Target tee" connections will be a minimum of 50' from wellhead.
- The blooie line discharge will be a minimum of 80' from the wellhead.

### 8. AUXILIARY EQUIPMENT TO BE USED

- a. Kelly cock.
- b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

### 9. TESTING, LOGGING, AND CORING PROGRAMS TO BE FOLLOWED

- A drillstem test in the Wasatch Tongue is possible.
- One electric line wire-log will be run from total depth to intermediate casing.
- The gamma ray will be left on to record from total depth to intermediate casing.
- Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
- A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

### 10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

- Expected BHP 1,500-2,000 psi (lower than normal pressure gradient).
- · No abnormal temperature or pressures are anticipated.
- The formations to be penetrated do not contain known H2S gas.

### 11. WATER SUPPLY

- No water pipelines will be laid for this well.
- No water well will be drilled for this well.
- Drilling water for this will be hauled on the road(s) shown in Attachment No. 3.
- Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

### APPROVAL OF OPERATIONS

### CEMENT SYSTEMS

- Surface Cement:
  - Drill 17-1/2" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% CaCl2 and 1/4 #/sk. Polyflake (volume includes 70% excess). Top out as necessary. Casing to be centralized with a total of 5 centralizers.
- **Intermediate Casing Cement:** 
  - Drill 12-1/4" hole to 3,330'±, run and cement 9-5/8" to surface.
  - Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
  - Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug one joint off bottom e) bottom three joints thread locked f) pump job with bottom plug only. Casing to be centralized with a total of 15 centralizers.
  - Cement to surface not required due to surface casing set deeper than normal.

					<u>Hole</u>	<u>Cement</u>
Type	Sacks	Interval	Density	Yield	<u>Volume</u>	<u>Volume</u>
Lead	391	0'-2,830'	10.5 ppg	4.14 CFS	924 CF	1,617 <b>CF</b>
Tail	254	2,830-3,330'	15.6 ppg	1.2 CFS	174 CF	304 <b>CF</b>

Intermediate design volumes based on 75% excess of gauge hole.

Lead Mix:

Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.

Slurry weight:

Slurry yield:

4.14 cf/sack

26.07 gal/sack

Compressives (a) 110°F: 72 psi after 24 hours

Tail Mix:

Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 46.5% fresh water.

Slurry yield:

1.20 cf/sack

Slurry weight: 15.6 #/gal.

10.5 #/gal.

Pump Time:

Water requirement:

1 hr. 5 min. (a) 110 °F.

Compressives (a), 110 °F: 2,500 psi after 24 hours

- c. Production Casing Cement:
  - Drill 7-7/8" hole to 8,550'±, run and cement 5 1/2".
  - Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H20 spacer.
  - Displace with 2% KCL.
  - Production casing to be centralized with 30 centralizers.

					<u>Hole</u>	<u>Cement</u>
<u>Type</u>	Sacks	Interval	Density	<u>Yield</u>	Volume	<u>Volume</u>
Lead	90	3,835'-4,635'	11.5 ppg	3.12 CFS	139 CF	277 <b>CF</b>
Tail	780	4.635'-8.550'	13.0 ppg	1.75 CFS	678 CF	1357 CF

Production design volumes based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring lead cement to 800' above top of Wasatch + 15% excess, and tail cement to top of Wasatch +15%.

Lead Mix:

Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.

Slurry yield:

3.12 cf/sack

17.71 gal/sack

Water requirement:

Tail Mix:

Compressives (a) 130°F: 157 psi after 24 hours

Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322,

& HR-5.

Slurry yield:

1.75 cf/sack

Slurry weight:

Slurry weight:

13.00 #/gal.

11.60 #/gal.

Water requirement:

9.09 gal/sack

Compressives @ 165°F: 905 psi after 24 hours

13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

**Starting Date:** 

November 1, 2006

**Duration:** 

14 Days

#### **Dominion Exploration & Production** Azimuths to True North Magnetic North: 11.76° Field: Uintah County, Utah Magnetic Field Strength: 52801nT Dip Angle: 65.90° Date: 8/23/2006 Model: igrf2005 Dominion<sup>\*</sup> Site: RBU 23-19F Well: RBU 23-19F Well: RBU 23-19F Wellpath: Original Hole Plan: Plan #1 FIELD DETAILS Uintah County, Utah Utah - Natural Buttes 0° 540 MD Start Build 3.00 LISA US State Plane Coordinate System 1983 GRS 1980 Utah, Central Zone igrf2005 Geodetic System: Ellipsoid: Zone: Magnetic Model: 1100 stem Datum: Mean Sea Level Local North: True North 39° 1841 MD Start Hold West(-)/East(+) [500ft/in] 39° 1981 MD Start Drop -3.00 SITE DETAILS 200 400 600 800 RBU 23-19F Sec 19 10S, 20 E 2200 Uintah County, Utah 0 Site Centre Latitude: 39°56'17.740N Longitude: 109°42'37.430W South(-)/North(+) [500ft/in] Ground Level: 5123.00 Positional Uncertainty: 0.00 Convergence: 1.15 -200 0° 3282 MD Start Hold 941 Vertical Point -400 3300-Intermediate -600 WELLPATH DETAILS True Vertical Depth [1100ft/in] **PBHL** Vertical Point Original Hole Wasatch Tongue Rig: Ref. Datum: -800 Est RKB 5140.00R **Uteland Limestone** Starting From TVD V.Section 4400--1000 148 699 0.00 0.00 8550.00 Wasatch WELL DETAILS Chapita Wells Slot Easting Latitude Longitude Northing Name +N/-S +E/-W 5500 N/A RBU 23-19F 0.00 0.00 7151269.37 2142169.27 39°56'17,740N 109°42'37,430W FORMATION TOP DETAILS **Uteland Buttes** TARGET DETAILS 6600 MDPath No. TVDPath Formation Shape TVD +N/-S +E/-W Name 4120.00 4475.00 4635.00 5545.00 6770.00 4347.84 4702.84 4862.84 5772.84 6997.84 Wasatch Tongue Uteland Limestone Vertical Point PBHL 3054.00 8550.00 -803.57 -803.57 Wasatch Chapita Wells Uteland Buttes Mesaverde Mesaverde 7700 SECTION DETAILS +E/-W DLeg **TFace** VSec Target MΩ inc Azi TVD +N/-S 0.00 0.00 -364.34 -439.23 -803.57 0.00 0.00 221.64 267.20 488.84 0.00 0.00 148.69 0.00 180.00 148.69 0.00 0.00 426.46 514.12 940.58 940.58 0.00 0.00 39.04 39.04 148.69 148.69 148.69 148.69 0.00 540.00 1742.96 1851.05 3054.00 0.00 0.00 3.00 0.00 3.00 0.00 540.00 1841.34 1980.51 941 PBHL. Vertical Point 3281.84 8777.84 0.00 148.69 PBHL 8800 -803.57 488 84 0.00 1100 2200 Ò Vertical Section at 148.69° [1100ft/in] Plan: Plan #1 (RRI L23-19E/Original Hole Ryan Energy Technold 19510 Oil Center Blvd Houston, TX 77073 Ph: 281-443-1414 Fx: 281-443-1676 Ryan The leader in



### Ryan Energy Technologied **Planning Report**



**Dominion Exploration & Product** Company:

Site:

Uintah County, Utah **RBU 23-19F** 

Well: Wellpath:

**RBU 23-19F** Original Hole Date: 8/23/2006

Time: 15:43:27

Co-ordinate(NE) Reference: Well: RBU 23-19F, True North

Vertical (TVD) Reference: Est RKB 5140.0 Section (VS) Reference:

Well (0.00N,0.00E,148.69Azi)

Plan:

Uintah County, Utah

Utah - Natural Buttes

USA

Map System: US State Plane Coordinate System 1983

Geo Datum: GRS 1980 Sys Datum: Mean Sea Level Map Zone: Coordinate System: Utah, Central Zone

Geomagnetic Model:

Well Centre igrf2005

Site:

**RBU 23-19F** 

Sec 19 10S, 20 E Uintah County, Utah

**Site Position:** From:

Geographic **Position Uncertainty:** 

Northing: Easting:

7151269.37 ft 2142169.27 ft

Latitude: Longitude:

17.740 N 39 56 42 37.430 W

North Reference:

True 1.15 dea

**Grid Convergence:** 

Well:

**Ground Level:** 

**RBU 23-19F** 

Well Position: +E/-W 0.00 ft Northing: 0.00 ft Easting:

0.00 ft

5123.00 ft

7151269.37 ft 2142169.27 ft

Height 5140.00 ft

Latitude: Longitude:

Slot Name:

56 17.740 N 39 109 42 37.430 W

Surface

**Position Uncertainty:** 

**Current Datum:** 

Wellpath: Original Hole

0.00 ft

8/23/2006

Drilled From:

Tie-on Depth: **Above System Datum:** Declination:

Mag Dip Angle:

0.00 ft Mean Sea Level 11.76 deg 65.90 deg

Magnetic Data: 52801 nT Field Strength: **Vertical Section:** Depth From (TVD)

8550.00

Est RKB

+N/-S ft 0.00

+E/-W ft

Direction deg

0.00 148.69 8/23/2006 **Date Composed:** 

Plan: Principal:

Yes

Plan #1

Version: Tied-to:

From Surface

**Plan Section Information** 

	MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
	0.00	0.00	148.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
П	540.00	0.00	148.69	540.00	0.00	0.00	0.00	0.00	0.00	0.00	
	1841.34	39.04	148.69	1742.96	-364.34	221.64	3.00	3.00	0.00	148.69	
Н	1980.51	39.04	148.69	1851.05	-439.23	267.20	0.00	0.00	0.00	0.00	
Н	3281.84	0.00	148.69	3054.00	-803.57	488.84	3.00	-3.00	0.00	180.00	Vertical Point
	8777.84	0.00	148.69	8550.00	-803.57	488.84	0.00	0.00	0.00	148.69	PBHL

MD	Incl	Azim	TVD	+N/-S	+E/-W	VS	DLS	Build	Turn	Tool/Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	
540.00	0.00	148.69	540.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	1.80	148.69	599.99	-0.81	0.49	0.94	3.00	3.00	0.00	
700.00	4.80	148.69	699.81	-5.72	3.48	6.70	3.00	3.00	0.00	
800.00	7.80	148.69	799.20	-15.10	9.18	17.67	3.00	3.00	0.00	
900.00	10.80	148.69	897.87	-28.90	17.58	33.83	3.00	3.00	0.00	
1000.00	13.80	148.69	995.57	<del>-4</del> 7.10	28.65	55.13	3.00	3.00	0.00	
1100.00	16.80	148.69	1092.01	-69.64	42.36	81.51	3.00	3.00	0.00	
1200.00	19.80	148.69	1186.94	-96.46	58.68	112.91	3.00	3.00	0.00	
1300.00	22.80	148.69	1280.10	-127.49	77.56	149.23	3.00	3.00	0.00	
1400.00	25.80	148.69	1371.23	-162.64	98.94	190.38	3.00	3.00	0.00	
1500.00	28.80	148.69	1460:08	-201.82	122.78	236.24	3.00	3.00	0.00	
1600.00	31.80	148.69	1546.41	-244.92	149.00	286.68	3.00	3.00	0.00	
1700.00	34.80	148.69	1629.98	-291.82	177.53	341.58	3.00	3.00	0.00	
1800.00	37.80	148.69	1710.57	-342.39	208.29	400.77	3.00	3.00	0.00	
1841.34	39.04	148.69	1742.96	-364.34	221.64	426.46	3.00	3.00	0.00	



### Ryan Energy Technologied **Planning Report**



2

Company: Dominion Exploration & Product

Uintah County, Utah RBU 23-19F Field:

Site: RBU 23-19F Well: Wellpath: Original Hole

Date: 8/23/2006 Time: 15:43:27 Co-ordinate(NE) Reference: Well: RBU 23-19F, True North

Vertical (TVD) Reference: Est RKB 5140.0

Section (VS) Reference: Plan:

Well (0.00N,0.00E,148.69Azi) Plan #1

MD	Incl	Azim	TVD	+N/-S	+E/-W	VS	DLS deg/100ft	Build	Turn deg/100ft	Tool/Comment
ft	deg	deg	ft	ft	ft	ft				
900.00	39.04	148.69	1788.52	-395.91	240.84	463.41	0.00	0.00	0.00	
980.51	39.04	148.69	1851.05	-439.23	267.20	514.12	0.00	0.00	0.00	
00.00	38.46	148.69	1866.25	-449.65	273.54	526.32	3.00	-3.00	0.00	
100.00	35.46	148.69	1946.15	-501.01	304.78	586.43	3.00	-3.00	0.00	
		148.69	2029.09	-548.72	333.81	642.28	3.00	-3.00	0.00	
2200.00	32.46	140.03	2023.03	-540.72	000.01	0.2.20				
2300.00	29.46	148.69	2114.84	-592.66	360.54	693.71	3.00	-3.00	0.00	•
2400.00	26.46	148.69	2203.16	-632.71	384.90	740.58	3.00	-3.00	0.00	
2500.00	23.46	148.69	2293.81	-668.75	406.82	782.77	3.00	-3.00	0.00	
2600.00	20.46	148.69	2386.55	-700.69	426.25	820.15	3.00	-3.00	0.00	
2700.00	17.46	148.69	2481.11	-728.43	443.13	852.63	3.00	-3.00	0.00	
2700.00	17.40	140.00								
2800.00	14.46	148.69	2577.25	-751.92	457.42	880.12	3.00	-3.00	0.00	
2900.00	11.46	148.69	2674.69	-771.07	469.07	902.53	3.00	-3.00	0.00	
3000.00	8.46	148.69	2773.18	-785.84	478.05	919.82	3.00	-3.00	0.00	
3100.00	5.46	148.69	2872.43	-796.18	484.34	931.93	3.00	-3.00	0.00	
3200.00	2.46	148.69	2972.18	-802.07	487.93	938.83	3.00	-3.00	0.00	
						0.45 =5	0.00	2.00	0.00	Vertical Daint
3281.84	0.00	148.69	3054.00	-803.57	488.84	940.58	3.00	-3.00	0.00	Vertical Point
3300.00	0.00	148.69	3072.16	-803.57	488.84	940.58	0.00	0.00	0.00	
3400.00	0.00	148.69	3172.16	-803.57	488.84	940.58	0.00	0.00	0.00	
3500.00	0.00	148.69	3272.16	-803.57	488.84	940.58	0.00	0.00	0.00	
3557.84	0.00	148.69	3330.00	-803.57	488.84	940.58	0.00	0.00	0.00	Intermediate
			0000 10	000	400.04	040 50	0.00	0.00	0.00	
3600.00	0.00	148.69	3372.16	-803.57	488.84	940.58	0.00	0.00	0.00 0.00	
3700.00	0.00	148.69	3472.16	-803.57	488.84	940.58	0.00	0.00		
3800.00	0.00	148.69	3572.16	-803.57	488.84	940.58	0.00	0.00	0.00	
3900.00	0.00	148.69	3672.16	-803.57	488.84	940.58	0.00	0.00	0.00	
4000.00	0.00	148.69	3772.16	-803.57	488.84	940.58	0.00	0.00	0.00	
4400.00	0.00	440.00	2070 40	000 57	400 04	940.58	0.00	0.00	0.00	
4100.00	0.00	148.69	3872.16	-803.57	488.84	940.58 940.58	0.00	0.00	0.00	
4200.00	0.00	148.69	3972.16	-803.57	488.84			0.00	0.00	
4300.00	0.00	148.69	4072.16	-803.57	488.84	940.58	0.00			Monetch Tensus
4347.84	0.00	148.69	4120.00	-803.57	488.84	940.58	0.00	0.00	0.00	Wasatch Tongue
4400.00	0.00	148.69	4172.16	-803.57	488.84	940.58	0.00	0.00	0.00	•
4500.00	0.00	148.69	4272.16	-803.57	488.84	940.58	0.00	0.00	0.00	•
4500.00			4372.16	-803.57	488.84	940.58	0.00	0.00	0.00	
4600.00	0.00	148.69				940.58	0.00	0.00	0.00	
4700.00	0.00	148.69	4472.16	-803.57	488.84					Uteland Limestone
4702.84	0.00	148.69	4475.00	-803.57	488.84	940.58 940.58	0.00 0.00	0.00 0.00	0.00 0.00	Otelana minestone
4800.00	0.00	148.69	4572.16	-803.57	488.84	<del>34</del> 0.36	0.00	0.00	0.00	
4862.84	0.00	148.69	4635.00	-803.57	488.84	940.58	0.00	0.00	0.00	Wasatch
4900.00	0.00	148.69	4672.16	-803.57	488.84	940.58	0.00	0.00	0.00	
	0.00	148.69	4772.16	-803.57	488.84	940.58	0.00	0.00	0.00	
5000.00			4872.16	-803.57	488.84	940.58	0.00	0.00	0.00	
5100.00	0.00	148.69 148.69	4972.16	-803.57	488.84	940.58	0.00	0.00	0.00	
5200.00	0.00	170.03	7012.10	-000.01	700.07	J-10.00	0.00			
5300.00	0.00	148.69	5072.16	-803.57	488.84	940.58	0.00	0.00	0.00	
5400.00	0.00	148.69	5172.16	-803.57	488.84	940.58	0.00	0.00	0.00	
5500.00	0.00	148.69	5272.16	-803.57	488.84	940.58	0.00	0.00	0.00	
5600.00	0.00	148.69	5372.16	-803.57	488.84	940.58	0.00	0.00	0.00	
		148.69	5472.16	-803.57	488.84	940.58	0.00	0.00	0.00	
5700.00	0.00	140.00	J-71 Z. 10	-000.01	700.04	U-70.00	0.00	5.00		
5772.84	0.00	148.69	5545.00	-803.57	488.84	940.58	0.00	0.00	0.00	Chapita Wells
5800.00	0.00	148.69	5572.16	-803.57	488.84	940.58	0.00	0.00	0.00	•
			5672.16	-803.57	488.84	940.58	0.00	0.00	0.00	
5900.00	0.00	148.69			488.84	940.58	0.00	0.00	0.00	
6000.00	0.00	148.69	5772.16	-803.57			0.00	0.00	0.00	
6100.00	0.00	148.69	5872.16	-803.57	488.84	940.58	0.00	0.00	0.00	
	0.00	148.69	5972.16	-803.57	488.84	940.58	0.00	0.00	0.00	
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6200.00		149 60	6072 1E	_R03 57	AKK KA	yan na	17.1311	U.UU	U.UU	
6200.00 6300.00 6400.00	0.00	148.69 148.69	6072.16 6172.16	-803.57 -803.57	488.84 488.84	940.58 940.58	0.00 0.00	0.00 0.00	0.00 0.00	



### Ryan Energy Technologied **Planning Report**



Company: Dominion Exploration & Product

Field:

Uintah County, Utah

RBU 23-19F RBU 23-19F Site: Well: Wellpath: Original Hole Date: 8/23/2006

Time: 15:43:27

Co-ordinate(NE) Reference: Well: RBU 23-19F, True North Vertical (TVD) Reference: Est RKB 5140.0

Section (VS) Reference:

Well (0.00N,0.00E,148.69Azi) Plan #1

MD	Incl	Azim	TVD	+N/-S	+E/-W ft	VS ft	DLS deg/100ft	Build dea/100ft	Turn dea/100ft	Tool/Comment
ft	deg	deg deg	ft	ft	II.	·				
6600.00	0.00	148.69	6372.16	-803.57	488.84	940.58	0.00	0.00	0.00	
6700.00	0.00	148.69	6472.16	-803.57	488.84	940.58	0.00	0.00	0.00	
6800.00	0.00	148.69	6572.16	-803.57	488.84	940.58	0.00	0.00	0.00	
6900.00	0.00	148.69	6672.16	-803.57	488.84	940.58	0.00	0.00	0.00	
6997.84	0.00	148.69	6770.00	-803.57	488.84	940.58	0.00	0.00	0.00	Uteland Buttes
7000.00	0.00	148.69	6772.16	-803.57	488.84	940.58	0.00	0.00	0.00	
7100.00	0.00	148.69	6872.16	-803.57	488.84	940.58	0.00	0.00	0.00	
7200.00	0.00	148.69	6972.16	-803.57	488.84	940.58	0.00	0.00	0.00	
7300.00	0.00	148.69	7072.16	-803.57	488.84	940.58	0.00	0.00	0.00	
7400.00	0.00	148.69	7172.16	-803.57	488.84	940.58	0.00	0.00	0.00	
7500.00	0.00	148.69	7272.16	-803.57	488.84	940.58	0.00	0.00	0.00	
7600.00	0.00	148.69	7372.16	-803.57	488.84	940.58	0.00	0.00	0.00	
7700.00	0.00	148.69	7472.16	-803.57	488.84	940.58	0.00	0.00	0.00	
7800.00	0.00	148.69	7572.16	-803.57	488.84	940.58	0.00	0.00	0.00	
7847.84	0.00	148.69	7620.00	-803.57	488.84	940.58	0.00	0.00	0.00	Mesaverde
7900.00	0.00	148.69	7672.16	-803.57	488.84	940.58	0.00	0.00	0.00	
8000.00	0.00	148.69	7772.16	-803.57	488.84	940.58	0.00	0.00	0.00	
8100.00	0.00	148.69	7872.16	-803.57	488.84	940.58	0.00	0.00	0.00	
8200.00	0.00	148.69	7972.16	-803.57	488.84	940.58	0.00	0.00	0.00	
8300.00	0.00	148.69	8072.16	-803.57	488.84	940.58	0.00	0.00	0.00	
8400.00	0.00	148.69	8172.16	-803.57	488.84	940.58	0.00	0.00	0.00	
8500.00	0.00	148.69	8272.16	-803.57	488.84	940.58	0.00	0.00	0.00	
8600.00	0.00	148.69	8372.16	-803.57	488.84	940.58	0.00	0.00	0.00	
8700.00	0.00	148.69	8472.16	-803.57	488.84	940.58	0.00	0.00	0.00	
8777.84	0.00	148.69	8550.00	-803.57	488.84	940.58	0.00	0.00	0.00	PBHL

т.	
12	rvcis

Name	Description Dip.	TVD Dir. ft	+N/-S ft	+E/-W ft	Map Map Northing Easting ft ft	< Latitude> Deg Min Sec	< Longitude> Deg Min Sec
Vertical Point		3054.00	-803.57	488.84	7150475.742142674.09	39 56 9.798 N	109 42 31.154 W
-Plan hit targe PBHL -Plan hit targe		8550.00	-803.57	488.84	7150475.742142674.09	39 56 9.798 N	109 42 31.154 W

#### Cosing Points

	Casing 1 on	113				
·Γ	MA	TVD	Diameter	Hole Size	Name	
. 1	MD	110	Ministr	HOR DEAL		3.하다 (Tranger) 3. 2. 4 - 말리는 도 2. 5. 5. 1. 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
ıŀ	ıπ	and the state of	sistem in a second	in in	The Sale Section of the Sales Section (Section Section	이 교리 모든 물은 교회에서 이번 교육적으로 들은 사람들이 가득하는 것이 얼마나 가지 않는데 가득하다. 하는 아이트
			<u> </u>		<del>Carlo de la companya de la companya de la co</del>	
lΙ	3557.84	3330.00	9.625	9.625	Intermediate	·
1	TO. 1000	0000.00			***************************************	

### **Formations**

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
4347.84	4120.00	Wasatch Tongue		0.00	0.00
4702.84	4475.00	Uteland Limestone		0.00	0.00
	4635.00	Wasatch		0.00	0.00
4862.84		Chapita Wells		0.00	0.00
5772.84	5545.00	- •		0.00	0.00
6997.84	6770.00	Uteland Buttes	<b>'</b>		0.00
7847.84	7620.00	Mesaverde		0.00	0.00

### SURFACE USE PLAN

### CONDITIONS OF APPROVAL

### Attachment for Permit to Drill

Name of Operator:

**Dominion Exploration & Production** 

Address:

14000 Quail Springs Parkway, Suite 600

Oklahoma City, OK 73134

Well Location:

**RBU 23-19F** 

SHL: 654' FNL & 3156' FWL Section 19-10S-20E BHL: 1450' FNL & 2850' FEL Section 19-10S-20E

Uintah County, UT

The dirt contractor will be provided with an approved copy of the surface use plan of operations before initiating construction.

The BLM onsite inspection for the referenced well was conducted on Thursday, August 10, 2006 at approximately 10:00 am. In attendance at the onsite inspection were the following individuals:

Karl Wright

Nat. Res. Prot. Spec.

Bureau of Land Management - Vernal

**Brandon McDonald** 

Wildlife Biologist

Bureau of Land Management - Vernal

Ken Secrest

Field Foreman

Dominion E & P, Inc.

Brandon Bowthorpe

Surveyor

**Uintah Engineering & Land Surveying** 

Billy McClure

Foreman

LaRose Construction

Randy Jackson

Foreman

Jackson Construction

Don Hamilton

**Existing Roads:** 

Agent

Buys & Associates, Inc.

1.

- No upgrades to existing roads and no new roads are proposed at this time since access will a. utilize the existing road to the existing well site.
- b. The proposed well site is located approximately 10.83 miles south of Ouray, UT.
- Directions to the proposed well site have been attached at the end of Exhibit B. c.
- d. The use of roads under State and County Road Department maintenance are necessary to access the River Bend Unit. However, an encroachment permit is not anticipated since no upgrades to the State or County Road system are proposed at this time.
- All existing roads will be maintained and kept in good repair during all phases of operation. e.
- Vehicle operators will obey posted speed restrictions and observe safe speeds commensurate e. with road and weather conditions.
- f. Since no improvements are anticipated to any State, County, Tribal or BLM access roads no topsoil striping will occur.
- An off-lease federal right-of-way is not anticipated for the access road or utility corridor g. since both are located within the existing River Bend Unit boundary and both utilize entirely existing disturbance.

### 2. Planned Access Roads:

- a. The proposed well utilizes the existing wellsite RBU 3-19F with no new access proposed.
- b. An access road re-route will be established around the existing well site to provide uninterrupted access to the RBU 6-19F during the drilling and completion phase of the proposed well.
- c. The operator will be responsible for all maintenance of the existing access road including drainage structures.

### 3. Location of Existing Wells:

a. Exhibit B has a map reflecting these wells within a one mile radius of the proposed well.

### 4. Location of Production Facilities:

- a. All permanent structures will be painted a flat, non-reflective Desert Brown or Carlsbad Canyon to match the standard environmental colors. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- b. Site security guidelines identified in 43 CFR 3163.7-5 and Onshore Oil and Gas Order No. 3 will be adhered to.
- c. A gas meter run will be constructed and located on lease within 500 feet of the wellhead. Meter runs will be housed and/or fenced. All gas production and measurement shall comply with the provisions of 43 CFR 3162. 7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.
- d. A tank battery will be constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All liquid hydrocarbons production and measurement shall conform to the provisions of 43 CFR 3162.7-3 and Onshore Oil and Gas Order No. 4 and Onshore Oil and Gas Order No. 5 for natural gas production and measurement.
- e. Any necessary pits will be properly fenced to prevent any wildlife and livestock entry.
- f. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic. The road will be maintained in a safe useable condition.
- g. The site will require periodic maintenance to ensure that drainages are kept open and free of debris, ice, and snow, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.
- f. No new pipeline corridors are proposed at this time since gas transportation will utilize the existing pipeline network to the existing well site.
- g. The existing pipeline will be upgrade to 10" or less, as needed, from the proposed well to the existing Compressor #4 to provide additional production transportation capacity from the proposed 20 acre in-field wells.
- h. The upgraded gas pipeline will be a 10" or less steel surface line within a 20' wide utility

corridor. The use of the proposed well site and access roads will facilitate the staging of the pipeline construction.

i. Dominion intends on installing the upgraded pipeline on the surface by welding many joints into long lengths, dragging the long lengths into position and then completing a final welding pass to join the long lengths together. Dominion intends on connecting the pipeline together utilizing conventional welding technology.

### 5. <u>Location and Type of Water Supply:</u>

a. The location and type of water supply has been addressed as number 11 within the previous drilling plan information.

### 6. Source of Construction Material:

- a. The use of materials will conform to 43 CFR 3610.2-3.
- b. No construction materials will be removed from Ute Tribal or BLM lands.
- c. If any gravel is used, it will be obtained from a state approved gravel pit.

### 7. <u>Methods of Handling Waste Disposal</u>:

- a. All wastes associated with this application will be contained and disposed of utilizing approved facilities.
- b. Drill cuttings will be contained and buried on site.
- c. The reserve pit will be located outboard of the location and along the southwest side of the pad.
- d. The reserve pit will be constructed so as not to leak, break, or allow any discharge.
- e. The reserve pit will be lined with 16 mil minimum thickness plastic nylon reinforced liner material. The liner will overlay a felt liner pad only if rock is encountered during excavation. The pit liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during the drilling and completion operation.
- f. The reserve pit has been located in cut material. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling is completed, and shall remain until the pit is dry. After the reserve pit has dried, all areas not needed for production will be rehabilitated.
- g. No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of the well.
- h. Trash will be contained in a trash cage and hauled away to an approved disposal site as

necessary but no later than at the completion of drilling operations. The contents of the trash container will be hauled off periodically to the approved Uintah County Landfill near Vernal, Utah.

- i. Produced fluids from the well other than water will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas, salt water or other produced fluids will be cleaned up and removed.
- j. After initial clean-up, a 400 bbl tank will be installed to contain produced waste water. This water will be transported from the tank to an approved Dominion disposal well for disposal.
- k. Produced water from the production well will be disposed of at the RBU 13-11F or RBU 16-19F disposal wells in accordance with Onshore Order #7.
- 1. Any salts and/or chemicals, which are an integral part of the drilling system, will be disposed of in the same manner as the drilling fluid.
- m. Sanitary facilities will be on site at all times during operations. Sewage will be placed in a portable chemical toilet and the toilet replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

### 8. Ancillary Facilities:

a. Garbage Containers and Portable Toilets are the only ancillary facilities proposed in this application.

### 9. Well Site Layout: (See Exhibit B)

- a. The well will be properly identified in accordance with 43 CFR 3162.6.
- b. Access to the well pad will be from the northeast.
- c. The pad and road designs are consistent with BLM specification
- d. A pre-construction meeting with responsible company representative, contractors and the BLM will be conducted at the project site prior to commencement of surface-disturbing activities. The pad and road will be construction-staked prior to this meeting.
- e. The pad has been staked at its maximum size of 355' X 200'; however it will be constructed smaller if possible, depending upon rig availability. Should the layout change, this application will be amended and approved utilizing a sundry notice.
- f. All surface disturbing activities, will be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.
- g. All cut and fill slopes will be such that stability can be maintained for the life of the activity.
- h. Diversion ditches will be constructed as shown around the well site to prevent surface waters form entering the well site area.
- i. The site surface will be graded to drain away from the pit to avoid pit spillage during large storm events.

- The stockpiled topsoil (first 6 inches or maximum available) will be stored in a windrow on j. the uphill side of the location to prevent any possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss and contamination.
- k. Pits will remain fenced until site cleanup.
- The blooie line will be located at least 100 feet from the well head. 1.
- Water injection may be implemented if necessary to minimize the amount of fugitive dust. m.

#### Plans for Restoration of the Surface (Interim Reclamation and Final Reclamation): 10.

- Site reclamation for a producing well will be accomplished for portions of the site not a. required for the continued operation of the well.
- Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 b. CFR 3162.7-1. Once the reserve pit is dry, the plastic nylon reinforced liner shall be torn and perforated before backfilling of the reserve pit. The reserve pit and that portion of the location not needed for production facilities/operations will be re-contoured to the approximate natural contours.
- Following BLM published Best Management Practices the interim reclamation will be c. completed within 90 days of completion of the well to reestablish vegetation, reduce dust and erosion and compliment the visual resources of the area.
  - All equipment and debris will be removed from the area proposed for interim reclamation and the pit area will be backfilled and re-contoured.
  - The area outside of the rig anchors and other disturbed areas not needed for the operation of the well will be re-contoured to blend with the surrounding area and reseeded at 12 lbs /acre with the following native grass seeds:
    - **Crested Wheat Grass** 1.

(4 lbs / acre)

2. Needle and Thread Grass

will be re-contoured and reseeded as soon as practical.

(4 lbs / acre)

- (4 lbs / acre) 3. Rice Grass Reclaimed areas receiving incidental disturbance during the life of the producing well
- The Operator will control noxious weeds along access road use authorizations, pipeline route d. authorizations, well sites, or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained from the BLM or the appropriate County Extension Office. On BLM administered land, it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides, pesticides or possibly hazardous
- Prior to final abandonment of the site, all disturbed areas, including the access road, will be e. scarified and left with a rough surface. The site will then be seeded and/or planted as prescribed by the BLM. The BLM recommended seed mix will be detailed within their approval documents.

#### Surface and Mineral Ownership: 11.

chemicals.

- Surface Ownership Federal under the management of the Bureau of Land Management Vernal Field Office, 170 South 500 East, Vernal, Utah 84078; 435-781-4400.
- b. Mineral Ownership Federal under the management of the Bureau of Land Management Vernal Field Office, 170 South 500 East, Vernal, Utah 84078; 435-781-4400.

### 12. Other Information:

- a. AIA Archaeological has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by AIA Archaeological.
- b. Alden Hamblin has conducted a paleontological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by Alden Hamblin.
- c. Our understanding of the results of the onsite inspection are:
  - a. No Threatened and Endangered flora and fauna species were found during the onsite inspection.
  - b. No drainage crossings that require additional State or Federal approval are being crossed.
  - c. An access road reroute and a pipeline upgrade are proposed with this application.
  - d. Fill generated from the upgrade of the well site and access road reroute will not be allowed to reach the bottom of the small drainage east of the well site.

### 13. Operator's Representative and Certification

Title	Name	Office Phone
Company Representative (Roosevelt)	Ken Secrest	1-435-722-4521
Company Representative (Oklahoma)	Carla Christian	1-405-749-5263
Agent for Dominion	Don Hamilton	1-435-637-4075

### Certification:

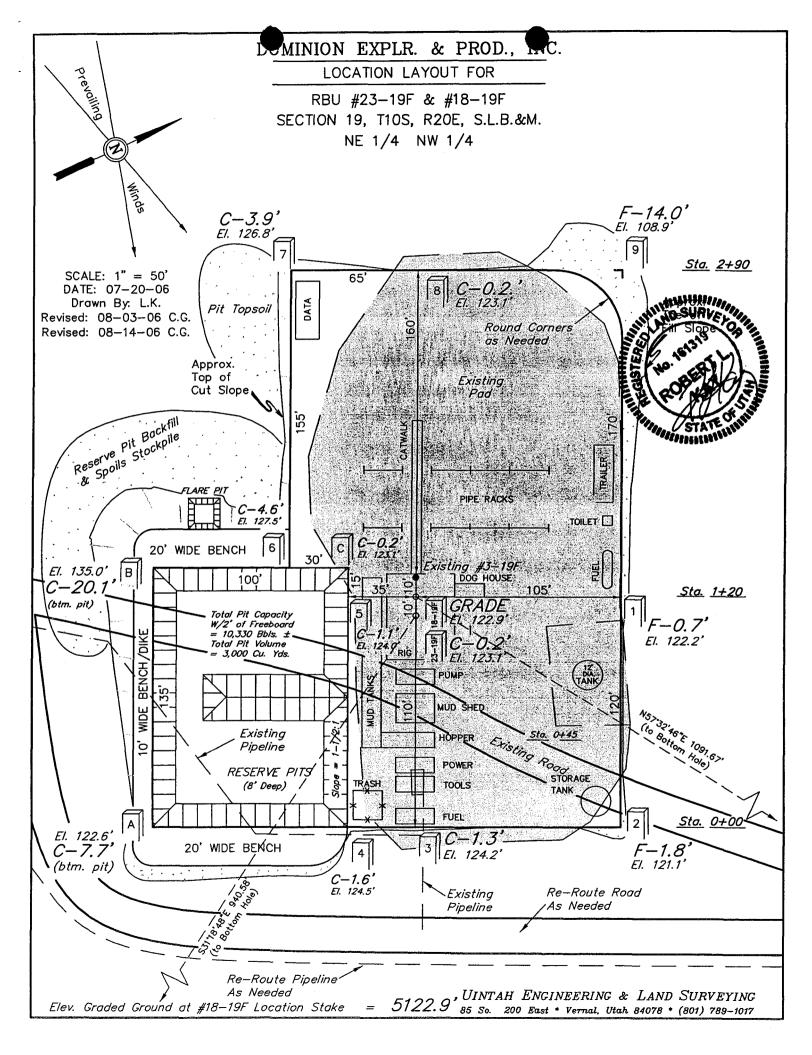
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exists; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Dominion Exploration & Production, Inc. and its contractors and subcontractors in conformity with this APD package and the terms and conditions under which it is approved. I also certify responsibility for the operations conducted on that portion of the leased lands associated with this application, with bond coverage being provided under Dominion's BLM bond. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

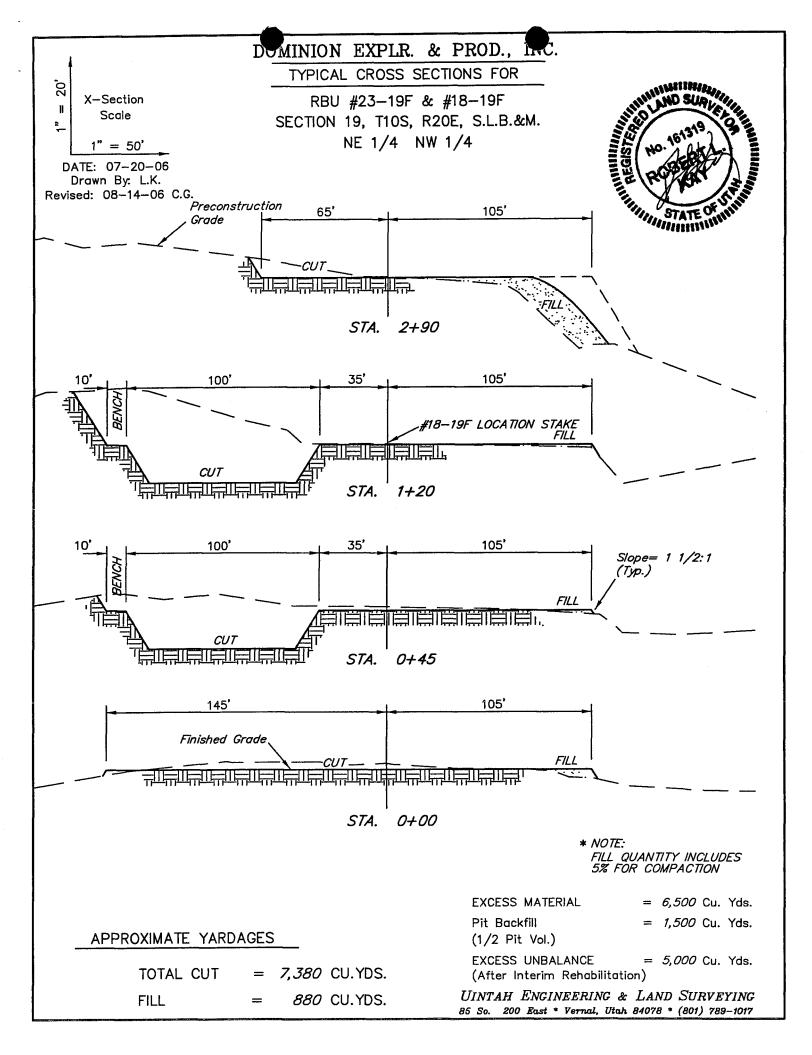
Signature: Don Hamilton Date: 8-31-2006

### DOMINION EXPLR. & PROD., INC. RBU #23-19F & #18-19F SECTION 19, T10S, R20E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.1 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST: TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST: PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE EXISTING #3-19FX AND THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 47.7 MILES.





# DOMINION EXPLR. & PROD., INC.

RBU #23-19F & #18-19F LOCATED IN UINTAH COUNTY, UTAH SECTION 19, T10S, R20E, S.L.B.&M.

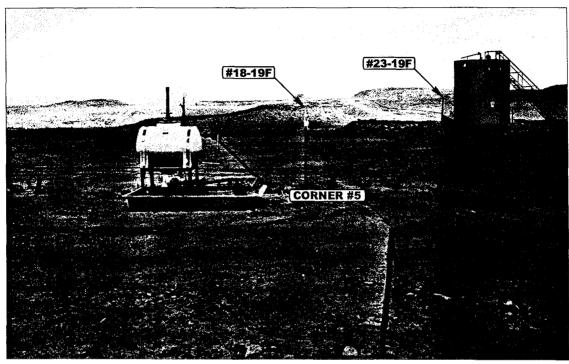


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

**CAMERA ANGLE: NORTHWESTERLY** 

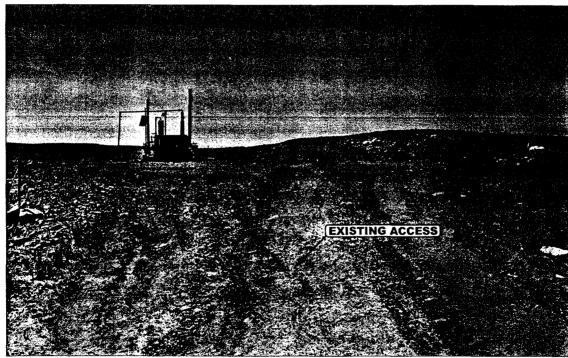


PHOTO: VIEW OF EXISTING ACCESS

**CAMERA ANGLE: SOUTHWESTERLY** 



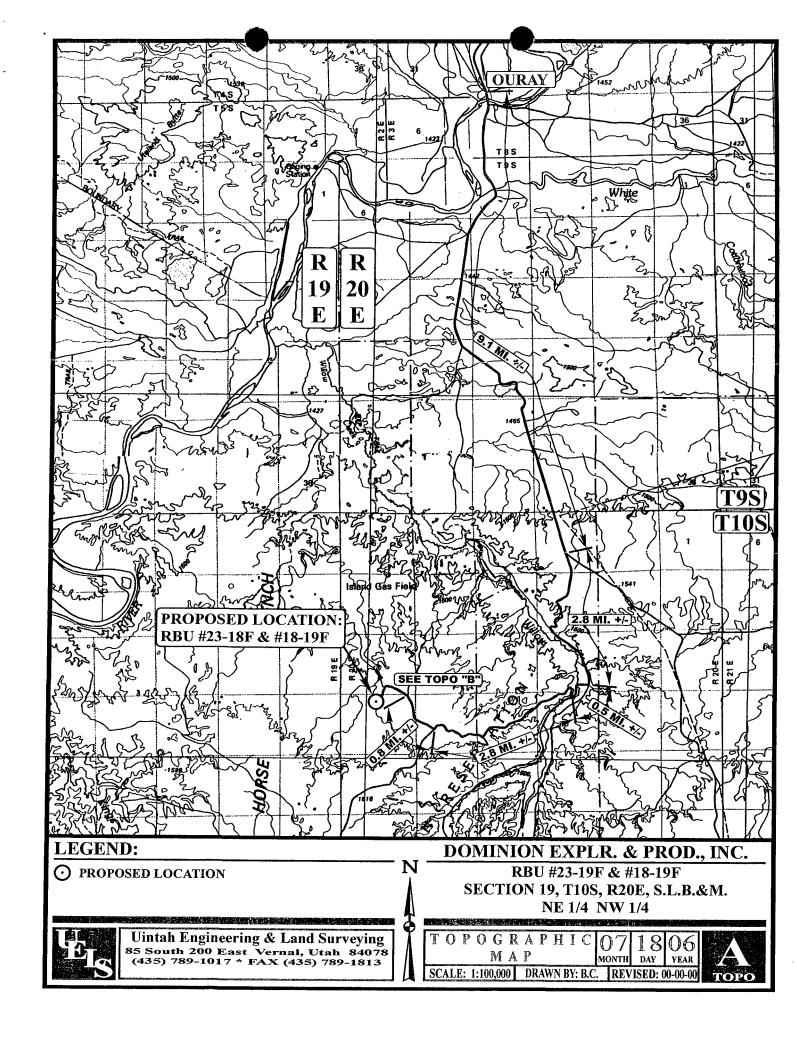
Uintah Engineering & Land Surveying 85 South 200 East Vernal, Utah 84078 435-789-1017 vels@uelsinc.com

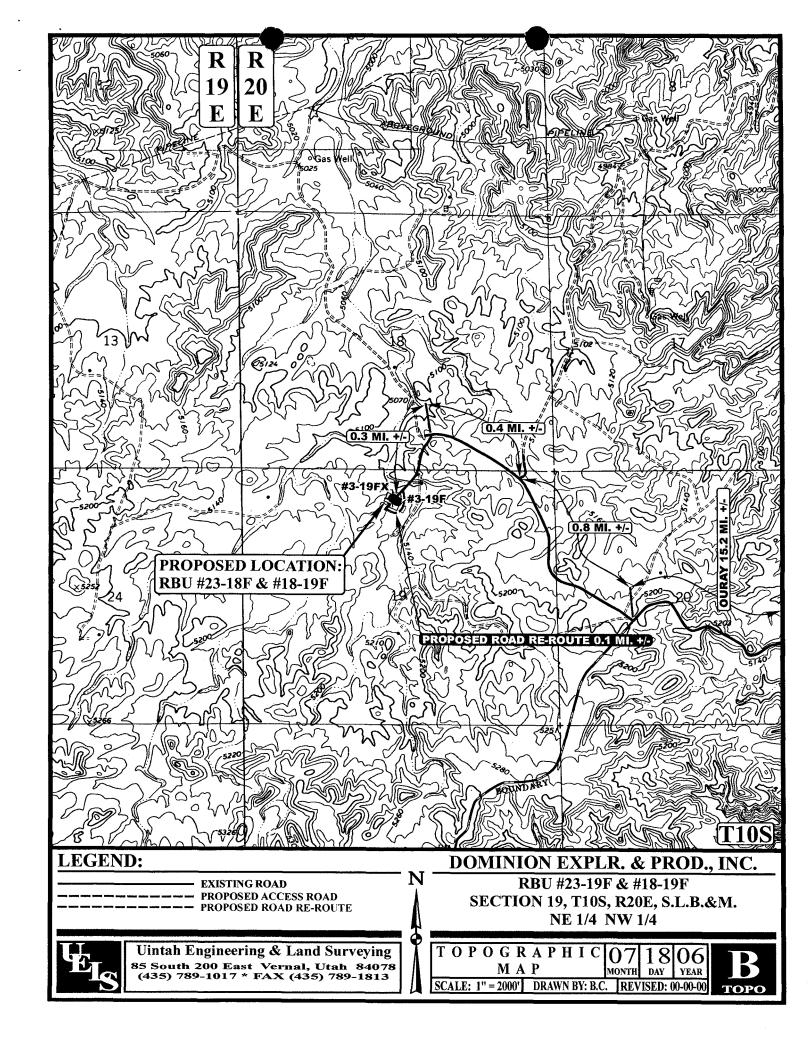
LOCATION PHOTOS

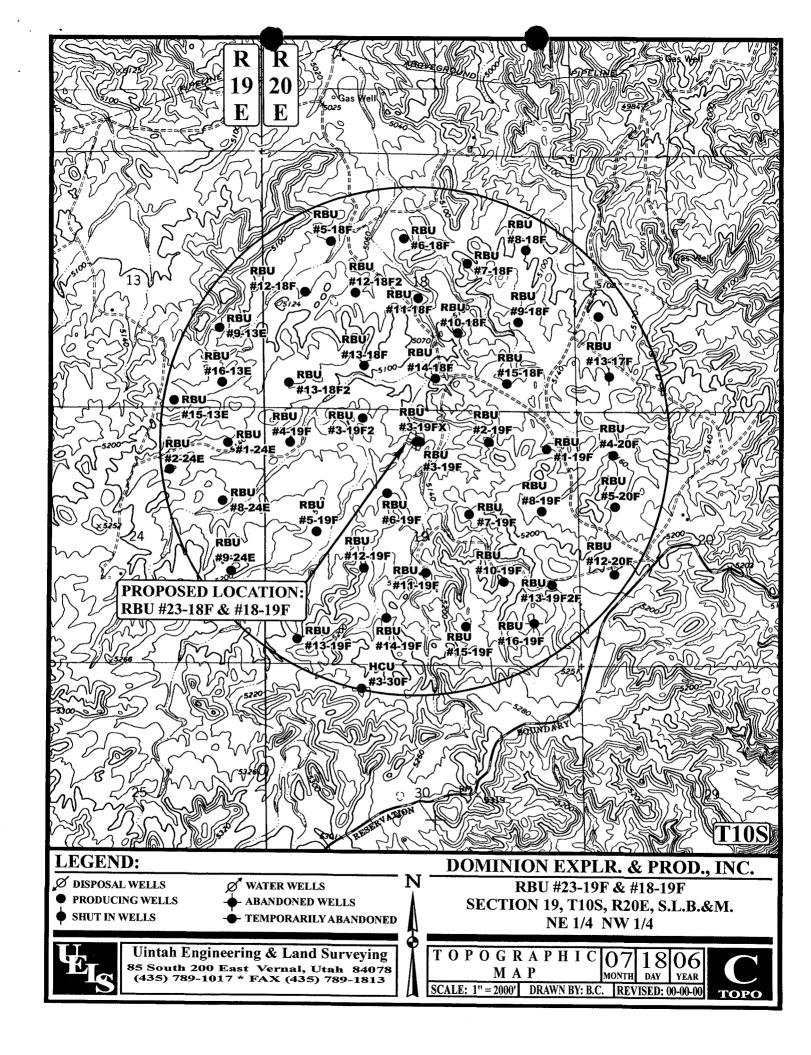
07 18 06 MONTH DAY YEAR

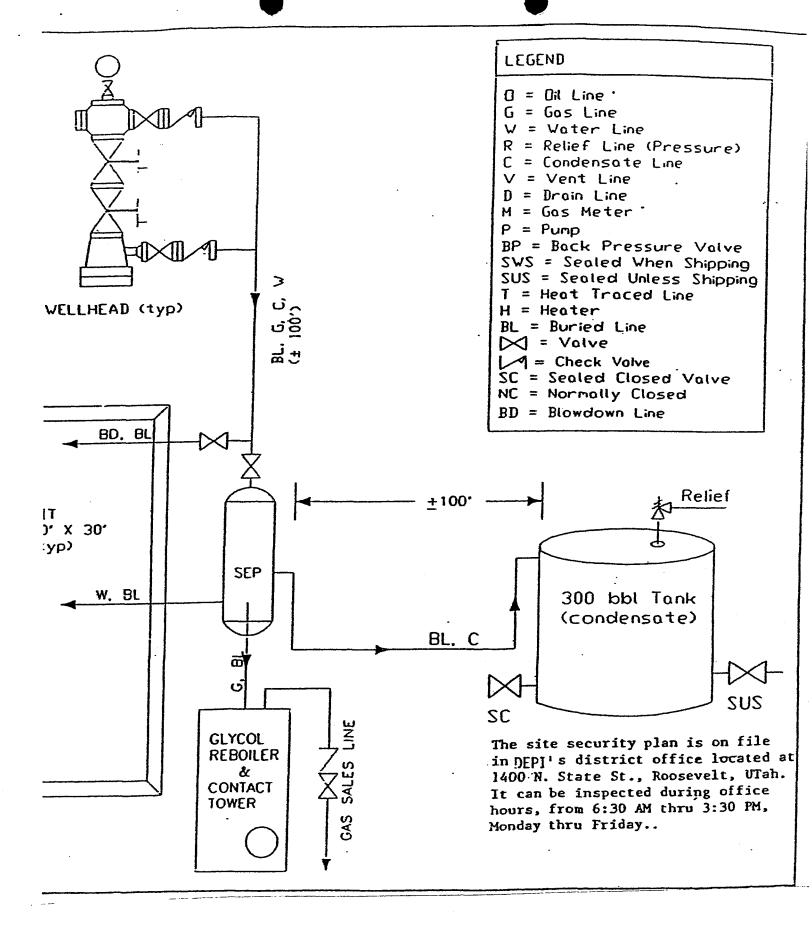
TAKEN BY: B.B. DRAWN BY: B.C. REVISED: 08-14-06

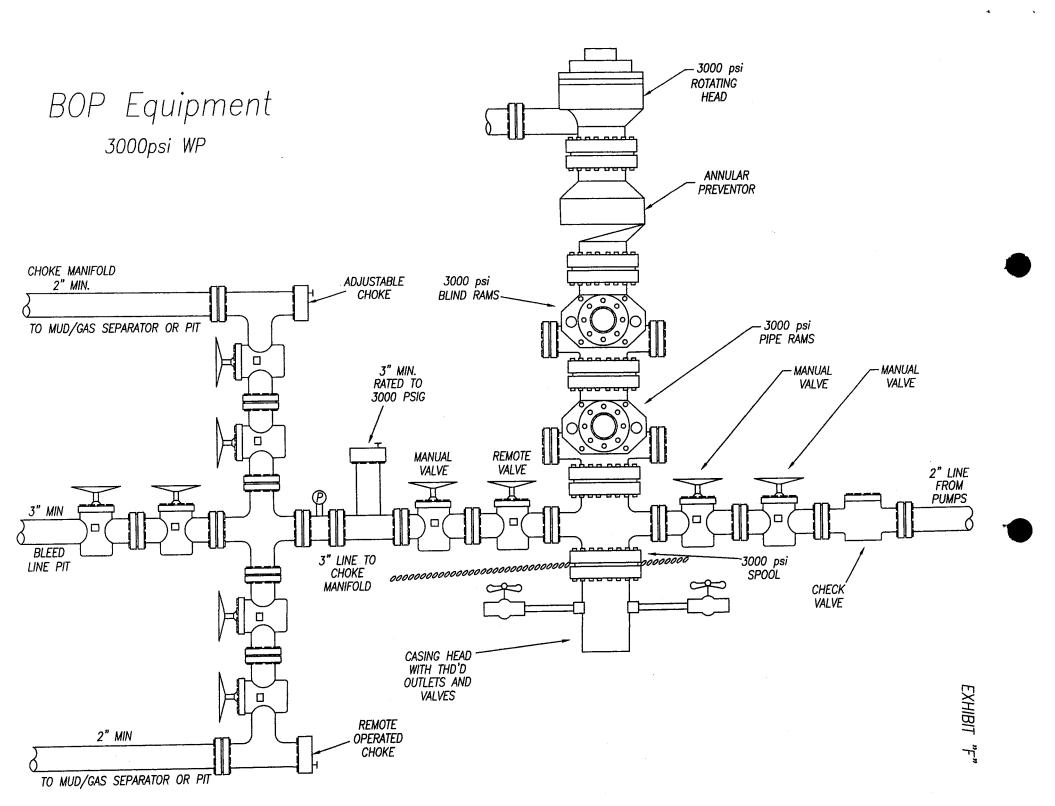
**РНОТО** 



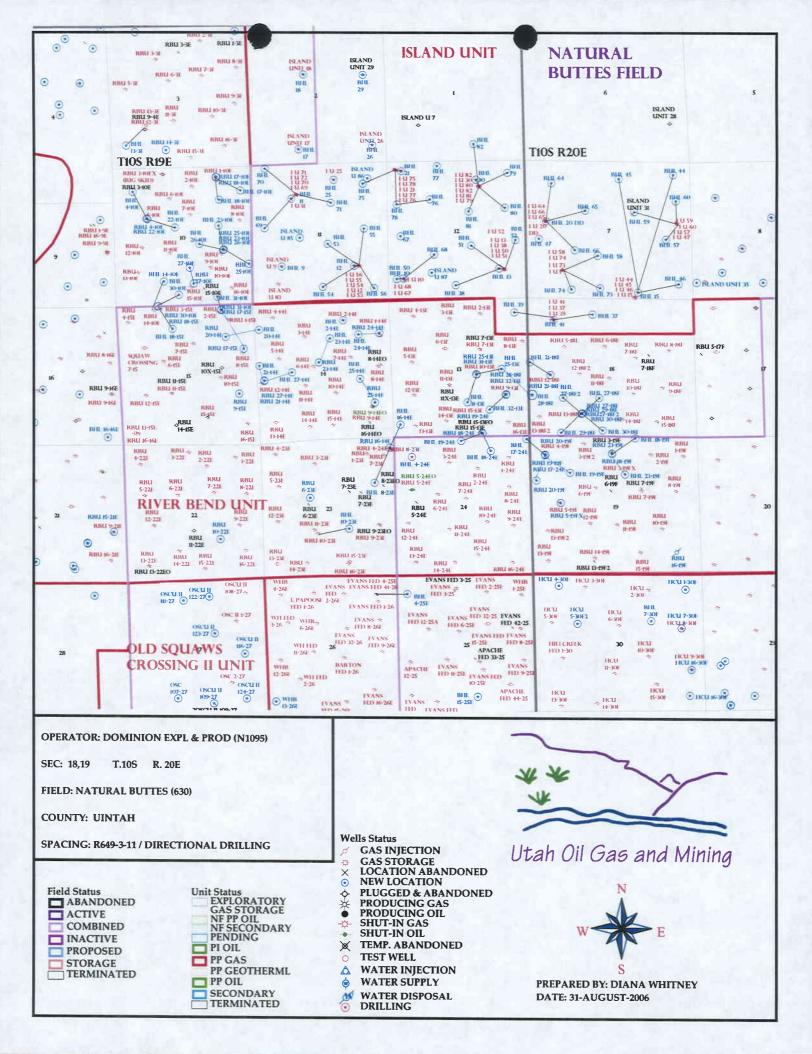








APD RECEIVED: 08/31/2006	API NO. ASSIGNED: 43-047-38553			
WELL NAME: RBU 23-19F				
OPERATOR: DOMINION EXPL & PROD ( N1095 )	PHONE NUMBER: 405-749-5263			
CONTACT: DON HAMILTON				
PROPOSED LOCATION:	INSPECT LOCATN BY: / /			
NENW 19 100S 200E SURFACE: 0654 FNL 3156 FWL	Tech Review Initials Date			
BOTTOM: 1450 FNL 2850 FEL	Engineering			
COUNTY: UINTAH  LATITUDE: 39.93826 LONGITUDE: -109.7097	Geology			
UTM SURF EASTINGS: 610244 NORTHINGS: 4421492	Surface			
FIELD NAME: NATURAL BUTTES ( 630 )				
LEASE TYPE: 1 - Federal  LEASE NUMBER: U013769-A  SURFACE OWNER: 1 - Federal	PROPOSED FORMATION: MVRD COALBED METHANE WELL? NO			
Plat  Bond: Fed[1] Ind[] Sta[] Fee[]  (No. WY 3322  Potash (Y/N)  Oil Shale 190-5 (B) or 190-3 or 190-13  Water Permit  (No. 43-10447 )	R649-2-3.  RIVER BEND  R649-3-2. General Siting: 460 From Qtr/Qtr & 920' Between Wells  R649-3-3. Exception  Drilling Unit Board Cause No: 359-0   Eff Date: 8-18-04 Siting: Suspend Subgrad Drill  R649-3-11. Directional Drill			
STIPULATIONS:  1. Carl Larrel 2 - Oil Shale				



### **United States Department of the Interior**

# BUREAU OF LAND MANAGEMENT Utah State Office P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

September 19, 2006

### Memorandum

To:

Assistant District Manager Minerals, Vernal District

From:

Michael Coulthard, Petroleum Engineer

Subject:

2006 Plan of Development River Bend Unit Uintah County,

Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2006 within the River Bend Unit, Uintah County, Utah.

API#

WELL NAME

LOCATION

(Proposed PZ MesaVerde)

43-047-38582 RBU 17-10E Sec 10 T10S R19E 0477 FNL 1390 FEL BHL Sec 10 T10S R19E 1000 FNL 0465 FEL

43-047-38584 RBU 27-10E Sec 10 T10S R19E 0723 FSL 2350 FEL BHL Sec 10 T10S R19E 1350 FSL 2500 FEL

43-047-38585 RBU 26-10E Sec 10 T10S R19E 1995 FSL 1184 FEL BHL Sec 10 T10S R19E 2250 FSL 2100 FEL

43-047-38586 RBU 25-10E Sec 10 T10S R19E 2013 FSL 1160 FEL BHL Sec 10 T10S R19E 1450 FSL 0200 FEL

43-047-38587 RBU 23-10E Sec 10 T10S R19E 2007 FSL 1168 FEL BHL Sec 10 T10S R19E 2350 FNL 1350 FEL

43-047-38588 RBU 22-10E Sec 10 T10S R19E 2064 FNL 1241 FWL BHL Sec 10 T10S R19E 2400 FNL 2300 FWL

43-047-38543 RBU 28-18F Sec 13 T10S R19E 1640 FSL 0901 FEL BHL Sec 18 T20S R20E 1600 FSL 0100 FWL

43-047-38544 RBU 18-24E Sec 13 T10S R19E 0143 FSL 1844 FEL

### BHL Sec 24 T10S R19E 0550 FNL 1550 FEL

Page 2

- 43-047-38545 RBU 19-24E Sec 13 T10S R19E 0159 FSL 1855 FEL BHL Sec 24 T10S R19E 0150 FNL 2550 FWL
- 43-047-38546 RBU 25-13E Sec 13 T10S R19E 2418 FSL 2023 FEL BHL Sec 13 T10S R19E 2700 FNL 1050 FEL
- 43-047-38547 RBU 31-13E Sec 13 T10S R19E 2433 FSL 2036 FEL BHL Sec 13 T10S R19E 1350 FSL 2400 FEL
- 43-047-38589 RBU 21-14E Sec 14 T10S R19E 2240 FSL 0210 FWL BHL Sec 14 T10S R19E 2500 FNL 0050 FWL
- 43-047-38590 RBU 27-14E Sec 14 T10S R19E 2230 FSL 0209 FWL BHL Sec 14 T10S R19E 2550 FSL 1300 FWL
- 43-047-38592 RBU 24-14E Sec 14 T10S R19E 1257 FNL 0432 FEL BHL Sec 14 T10S R19E 1300 FNL 1250 FEL
- 43-047-38593 RBU 23-14E Sec 14 T10S R19E 2375 FNL 2360 FWL BHL Sec 14 T10S R19E 1450 FNL 2350 FEL
- 43-047-38595 RBU 31-10E Sec 15 T10S R19E 0305 FNL 1324 FEL BHL Sec 10 T10S R19E 0200 FSL 1450 FEL
- 43-047-38596 RBU 17-15E Sec 15 T10S R19E 0320 FNL 1324 FEL BHL Sec 15 T10S R19E 1350 FNL 1200 FEL
- 43-047-38597 RBU 18-15E Sec 15 T10S R19E 0125 FNL 1570 FWL BHL Sec 15 T10S R19E 1000 FNL 2100 FWL
- 43-047-38598 RBU 20-14E Sec 15 T10S R19E 1821 FNL 0532 FEL BHL Sec 14 T10S R19E 1100 FNL 0100 FWL
- 43-047-38554 RBU 21-18F Sec 18 T10S R20E 2379 FSL 0834 FWL BHL Sec 18 T10S R20E 2450 FNL 0050 FWL
- 43-047-38555 RBU 27-18F Sec 18 T10S R20E 0902 FSL 2032 FWL BHL Sec 18 T10S R20E 1500 FSL 2700 FWI
- 43-047-38556 RBU 27-18F2 Sec 18 T10S R20E 0888 FSL 2005 FWL BHL Sec 18 T10S R20E 1500 FSL 1300 FWL
- 43-047-38557 RBU 30-18F Sec 18 T10S R20E 0897 FSL 2023 FWL BHL Sec 18 T10S R20E 0250 FSL 2800 FWL
- 43-047-38558 RBU 29-18F Sec 18 T10S R20E 0884 FSL 1996 FWL BHL Sec 18 T10S R20E 0150 FSL 1200 FWL
- 43-047-28549 RBU 17-24E Sec 19 T10S R20E 0703 FNL 0546 FWL BHL Sec 24 T10S R19E 0100 FNL 0150 FEL
- 43-047-38550 RBU 18-19F Sec 19 T10S R20E 0650 FNL 3147 FWL BHL Sec 19 T10S R20E 0050 FNL 2400 FEL

Page 3

43-047-38551 RBU 19-19F Sec 19 T10S R20E 0730 FNL 0558 FWL BHL Sec 19 T10S R20E 1400 FNL 1500 FWL

43-047-38552 RBU 20-19F Sec 19 T10S R20E 0721 FNL 0554 FWL BHL Sec 19 T10S R20E 1700 FNL 0200 FWL

43-047-38553 RBU 23-19F Sec 19 T10S R20E 0654 FNL 3156 FWL BHL Sec 19 T10S R20E 1450 FNL 2850 FEL

43-047-38548 RBU 32-13E Sec 13 T10S R19E 1624 FSL 0913 FEL BHL Sec 13 T10S R19E 1050 FSL 1550 FEL

43-047-38583 RBU 18-10E Sec 10 T10S R19E 0471 FNL 1409 FEL BHL Sec 10 T10S R19E 1350 FNL 1300 FEL

43-047-38591 RBU 25-14E Sec 14 T10S R19E 1380 FSL 0721 FEL BHL Sec 14 T10S R19E 2300 FSL 1250 FEL

43-047-38594 RBU 30-10E Sec 15 T10S R19E 0123 FNL 1590 FWL BHL Sec 10 T10S R19E 0300 FSL 2400 FWL

Our records indicate the RBU 25-10E is closer than 460 feet from the River Bend Unit boundary.

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File - River Bend Unit

Division of Oil Gas and Mining



State of Utah

# Department of Natural Resources

MICHAEL R. STYLER Executive Director

## Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

September 25, 2006

Dominion Exploration & Production, Inc. 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134

Re: River Bend Unit 23-19F Well, Surface Location 654' FNL, 3156' FWL, NE NW, Sec. 19, T. 10 South, R. 20 East, Bottom Location 1450' FNL, 2850' FEL, SE NW, Sec. 19, T. 10 South, R. 20 East, Uintah County, Utah

### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38553.

Sincerely,

Gil Hunt

Associate Director

pab

Enclosures

cc:

**Uintah County Assessor** 

Bureau of Land Management, Vernal District Office

Operator:	Dominion Exploration & Production, Inc.				
Well Name & Number	River B	River Bend Unit 23-19F			
API Number:	43-047-	38553			
Lease:	9-A				
Surface Location: <u>NE NW</u>	Sec. 19_	<b>T.</b> 10 South	<b>R.</b> 20 East		
<b>Bottom Location:</b> SE NW	Sec. 19	<b>T.</b> 10 South	<b>R.</b> 20 East		

### **Conditions of Approval**

### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

Contact Dan Jarvis at (801) 538-5338

### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.
- 6 In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

Form 3160-5 (August, 1999)

### UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED

OMB No. 1004	-01	35
Evnings Navombon	20	2000

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an

United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

U-013769-A 6. If Indian, Allottee or Tribe Name

5. Lease Serial No.

abandoned well. Use	e Form 3160-3 (APD) for such proposals	s <b>.</b>			
SUBMIT IN TRIPLI	CATE - Other Instructions on reverse sta	ė	7.	If Unit or CA/Agreement, Na	me and/or No.
1. Type of Well				River Bend Unit	
Oil Well X Gas Well Other CONICIDENTIAL			8.	Well Name and No.	
2. Name of Operator	CUNTULI	<del>\                                    </del>	╙	RBU 23-19F	
Dominion Exploration & Production	on, Inc.		9.	API Well No.	
3a. Address Suite 6			code)	43-047-38553	
14000 Quail Springs Parkway, O		300	10	). Field and Pool, or Explorato	ry Area
4. Location of Well (Footage, Sec., T., R., M.,	• •			Natural Buttes	
654' FNL & 3,156' FWL, NE NW, 1,450' FNL & 2,850' FEL, SE NW				I. County or Parish, State Uintah, UT	
12. CHECK APPROPRIATE	BOX(ES) TO INDICATE NATURE OF	NOTIC	E, REPOR	T OR OTHER DATA	
TYPE OF SUBMISSION	TYP	E OF A	CTION		
X Notice of Intent	Acidize Deepen	Pro	oduction (Start	/Resume) Water Shut-O	ff
_	Altering Casing Fracture Treat	Re	clamation	Well Integrity	
Subsequent Report	Casing Repair New Construction	Re	complete	X Other	
_	Change Plans Plug and Abandon	Tei	mporarily Abai	ndon <u>Drilling Plan</u>	
Final Abandonment Notice	Convert to Injection Plug Back	Wa	iter Disposal		
Attach the Bond under which the work following completion of the involved oop testing has been completed. Final At determined that the site is ready for fina	drilling plan. Previous plan submitted	n BLM/BI/ on or reco ments, in:   with A	A. Required ompletion in a cluding reclan	subsequent reports shall be fil new interval, a Form 3160-4 nation, have been completed a	led within 30 days I shall be filed once and the operator has
	Oil, Gas and N		3		
	FOR RECORD	UNI	LY		•
<ol> <li>I hereby certify that the foregoing is true a Name (PrintedTyped)</li> </ol>	nd correct	1			
Keri Pfeifer			Title	Associate Regulatory	/ Specialist
Signature Kullyub			Date	11/06/2006	
	SPECERGORNARDING OF SPACE		ngjais	Resident from the party	
Approved by		Title			Date
Conditions of approval, if any, are attached certify that the applicant holds legal or exwhich would entitle the applicant to conductive.	d. Approval of this notice does not warrant or quitable title to those rights in the subject lease of operations thereon.	Offic	ce		-
Title 18 U.S.C. Section 1001 and Title 43 t	J.S.C. Section 1212, makes it a crime for any pe	rson kn	owingly and	willfully to make to any dep	artment or agency of the

**RECEIVED** NOV 1 6 2006

### **APPROVAL OF OPERATIONS**

### **Attachment for Permit to Drill**

Name of Operator:

Dominion Exploration & Production

Address:

14000 Quail Springs Parkway, Suite 600

Oklahoma City, OK 73134

Well Location:

RBU 23-19F

SHL: 654' FNL & 3156' FWL Section 19-10S-20E BHL: 1450' FNL & 2850' FEL Section 19-10S-20E

Uintah County, UT

1. GEOLOGIC SURFACE FORMATION

Uintah

### 2. <u>ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS</u>

<u>Formation</u>	<u>Depth</u>
Wasatch Tongue	4,348'
Uteland Limestone	4,703
Wasatch	4,863'
Chapita Wells	5,773'
Uteland Buttes	6,998'
Mesaverde	7,848'

### 3. <u>ESTIMATED DEPTHS OF ANTICIPATED WATER. OIL</u>, <u>GAS OR MINERALS</u>

<u>Formation</u>	<u>Depth</u>	Type
Wasatch Tongue	4,348'	Oil
Uteland Limestone	4,703'	Oil
Wasatch	4,863'	Gas
Chapita Wells	5,773'	Gas
Uteland Buttes	6,998'	Gas
Mesaverde	7.848'	Gas

### 4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

<u>Type</u>	<u>Size</u>	Weight	<u>Grade</u>	Conn.	<u>Top</u>	Bottom	<u>Hole</u>
Surface	13-3/8"	48.0 ppf	H-40	STC	0,	500'	17-1/2"
Intermediate	9-5/8"	36.0 ppf	J-55	STC	0'	3,558'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0,	8,778'	7-7/8"

### 5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.

Intermediate hole: To be drilled using a diverter stack with rotating head to divert flow from rig floor.

<u>Production hole</u>: Prior to drilling out the intermediate casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from surface to total depth. The blind rams will be tested once per day from surface to total depth if operations permit.

### **APPROVAL OF OPERATIONS**

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling out surface casing shoe and anytime a new casing string is set. All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1.	Annular BOP	1,500 psi
2.	Ram type BOP	3,000 psi
3.	Kill line valves	3,000 psi
4.	Choke line valves and choke manifold valves	3,000 psi
5.	Chokes	3,000 psi
6.	Casing, casinghead & weld	1,500 psi
7.	Upper kelly cock and safety valve	3,000 psi
8.	Dart valve	3,000 psi

### 6. MUD SYSTEMS

- . An air or an air/mist system may be used to drill to drill the surface hole until water influx becomes too great.
- · KCL mud system will be used to drill well.
- The mud system will be monitored manually/visually.

<u>Depths</u>	Mud Weight (ppg)	Mud System
0' - 500'	8.4	Air foam mist, no pressure control
500' - 3,558'	8.6	Fresh water, rotating head and diverter
3,558' - 8,778'	8.6	Fresh water/2% KCL/KCL mud system

### 7. BLOOIE LINE

- An automatic igniter will not be installed on blooie line. The blooie will have a contant ignition source.
- A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
- "Target tee" connections will be a minimum of 50' from wellhead.
- The blooie line discharge will be a minimum of 80' from the wellhead.

### 8. AUXILIARY EQUIPMENT TO BE USED

- a. Kelly cock.
- b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

### 9. TESTING. LOGGING, AND CORING PROGRAMS TO BE FOLLOWED

- A drillstem test in the Wasatch Tongue is possible.
- One electric line wire-log will be run from total depth to intermediate casing.
- The gamma ray will be left on to record from total depth to intermediate casing.
- Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
- A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

### 10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

- Expected BHP 1,500-2,000 psi (lower than normal pressure gradient).
- No abnormal temperature or pressures are anticipated.
- The formations to be penetrated do not contain known H2S gas.

### 11. WATER SUPPLY

- No water pipelines will be laid for this well.
- No water well will be drilled for this well.
- Drilling water for this will be hauled on the road(s) shown in Attachment No. 3.
- Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

#### APPROVAL OF OPERATIONS

#### 12. CEMENT SYSTEMS

- a. Surface Cement:
  - Drill 17-½" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% CaCl<sub>2</sub> and 1/4 #/sk. Polyflake (volume includes 70% excess). Top out as necessary. Casing to be centralized with a total of 5 centralizers.
- b. Intermediate Casing Cement:
  - Drill 12-1/4" hole to 3,558'±, run and cement 9-5/8" to surface.
  - Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
  - Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug one joint off bottom e) bottom three joints thread locked f) pump job with bottom plug only. Casing to be centralized with a total of 15 centralizers.
  - Cement to surface not required due to surface casing set deeper than normal.

					<u>Hole</u>	<u>Cement</u>
<u>Type</u>	<u>Sacks</u>	<u>Interval</u>	<b>Density</b>	<u>Yield</u>	<u>Volume</u>	<u>Volume</u>
Lead	421	0'-2,830'	10.5 ppg	4.14 CFS	996 CF	1,743 CF
Tail	254	2,830-3,330'	15.6 ppg	1.2 CFS	174 CF	304 CF

Intermediate design volumes based on 75% excess of gauge hole.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.

Slurry yield: 4.14 cf/sack Slurry weight: 10.5 #/gal.

Water requirement: 26.07 gal/sack
Compressives @ 110°F: 72 psi after 24 hours

Tail Mix: Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 46.5% fresh water.

Slurry yield: 1.20 cf/sack Slurry weight: 15.6 #/gal.

Pump Time: 1 hr. 5 min. @ 110 °F.

Compressives @ 110 °F: 2,500 psi after 24 hours

- c. Production Casing Cement:
  - Drill 7-7/8" hole to 8,778'±, run and cement 5 1/2".
  - Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H20 spacer.
  - Displace with 2% KCL.
  - Production casing to be centralized with 30 centralizers.

					<u>Hole</u>	<u>Cement</u>
<b>Type</b>	Sacks 5	<u>Interval</u>	<b>Density</b>	<u>Yield</u>	<u>Volume</u>	<u>Volume</u>
Lead	90	4,063-4,863	11.5 ppg	3.12 CFS	139 CF	277 CF
Tail	780	4,863'-8,778'	13.0 ppg	1.75 CFS	678 CF	1357 CF

Production design volumes based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring lead cement to 800' above top of Wasatch + 15% excess, and tail cement to top of Wasatch + 15%.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.

Slurry yield: 3.12 cf/sack Slurry weight: 11.60 #/gal.

Water requirement: 17.71 gal/sack Compressives @ 130°F: 157 psi after 24 hours

Tail Mix: Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322,

& HR-5.

Slurry yield: 1.75 cf/sack Slurry weight: 13.00 #/gal.

Water requirement: 9.09 gal/sack

Compressives (a) 165°F: 905 psi after 24 hours

### 13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

Starting Date: November 1, 2006

Duration: 14 Days

(August, 1999)

#### UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM AI	PPROVEI
OMB No.	1004-013

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Eve	irae.	Nove	ember	30	2000

#### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an

	0 0 10	1007		
6.	If Indian,	Allottee	or Tribe	Name

Lease Serial No. 11\_01376Q\_A

11/06/2006

abandoned well. Use	e Form 3160-3 (APD) for	r such proposals	•		
SUBMIT IN TRIPLIC	CATE - Other Instructio	refuel in	WED		CA/Agreement, Name and/or No.
1. Type of Well				River	Bend Unit
Oil Well X Gas Well	Other	NOV - !	2006	8. Well Nam	e and No.
2. Name of Operator		NUV -	7000	RBI	J 23-19F
·				9. API Well	No.
Dominion Exploration & Production		BLMVERN	AL UTAH	43-047-3	9553
3a. Address Suite 6 14000 Quail Springs Parkway, O		(405) 749-13	,		1 Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M.,		(400) / 40-10	<del>500</del>		ural Buttes
654' FNL & 3,156' FWL, NE NW,					or Parish, State
1,450' FNL & 2,850' FEL, SE NW					tah, UT
1,400 1 142 & 2,000 1 22, 02 1111	, 000001110 100 202				
12. CHECK APPROPRIATE	BOX(ES) TO INDICAT	E NATURE OF	NOTICE, REPO	ORT OR C	THER DATA
TYPE OF SUBMISSION		TYPI	E OF ACTION		
Notice of Intent	Acidize	Deepen	Production (St	art/Resume)	Water Shut-Off
J	Altering Casing	Fracture Treat	Reclamation		Well Integrity
Subsequent Report	Casing Repair	New Construction	Recomplete		X Other
	Change Plans	Plug and Abandon	Temporarily A	bandon	Drilling Plan
Final Abandonment Notice	Convert to Injection	Plug Back	Water Dispose	ai	
13 Describe Proposed or Completed Oper	ntion (cloady state all pertinent de	etaile including estima	ted starting date of a	ny proposed	work and approximate duration thereof.
If the proposal is to deepen directionall Attach the Bond under which the work following completion of the involved op testing has been completed. Final Al determined that the site is ready for final	v or recomplete horizontally, giv k will be performed or provide the erations. If the operation results bandonment Notices shall be filed il inspection.)	e subsurface location e Bond No. on file witl in a multiple completi d only after all require	s and measured and n BLM/BIA. Requi on or recompletion ments, including red	I true vertical red subseque in a new inte lamation, ha	depths of all pertinent markers and zones.
plan shows measured dep		s plair submitted	WILLI ALD SH	Jwed Ioiii	iation tops at 1 VD, the concoccu
	ENG GEO	a Char	EC 0 5 2006	<b>'</b>	
14. I hereby certify that the foregoing is true	and correct	•			
Name (Printed/Typed)  Keri Pfeifer	A.M.		Title	Assoc	iate Regulatory Specialist
Signature Kiniphi, by			Date	11/06	/2006

DEC 0 5 2006 Title Patroleum Engineer Approved by Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease Office

S SPACE FOR FEDERAL OR STATE OF GENERALSE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the

which would entitle the applicant to conduct operations thereon.

United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



DEC 2 1 2006

DIV. OF OIL, GAS & MINING

#### **DRILLING PLAN**

#### **APPROVAL OF OPERATIONS**

#### Attachment for Permit to Drill

Name of Operator:

Dominion Exploration & Production

Address:

14000 Quail Springs Parkway, Suite 600

Oklahoma City, OK 73134

Well Location:

RBU 23-19F

SHL: 654' FNL & 3156' FWL Section 19-10S-20E

BHL: 1450' FNL & 2850' FEL Section 19-10S-20E

Uintah County, UT

GEOLOGIC SURFACE FORMATION

Uintah

#### 2. <u>ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS</u>

<u>Formation</u>	<u>Depth</u>
Wasatch Tongue	4,348'
Uteland Limestone	4,703
Wasatch	4,863'
Chapita Wells	5,773'
Uteland Buttes	6,998'
Mesaverde	7,848

#### 3. <u>ESTIMATED DEPTHS OF ANTICIPATED WATER. OIL</u>, <u>GAS OR MINERALS</u>

Formation	<u>Depth</u>	<u>Type</u>
Wasatch Tongue	4,348'	Oil
Uteland Limestone	4,703'	Oil
Wasatch	4,863'	Gas
Chapita Wells	5,773'	Gas
Uteland Buttes	6,998'	Gas
Mesaverde	7,848'	Gas

#### 4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

Type	<u>Size</u>	Weight	<u>Grade</u>	Conn.	Top	<u>Bottom</u>	<u>Hole</u>
Surface	13-3/8"	48.0 ppf	H-40	STC	0,	500'	17-1/2"
Intermediate	9-5/8"	36.0 ppf	J-55	STC	0,	3,558'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	8,778	7-7/8"

#### 5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.

Intermediate hole: To be drilled using a diverter stack with rotating head to divert flow from rig floor.

<u>Production hole</u>: Prior to drilling out the intermediate casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from surface to total depth. The blind rams will be tested once per day from surface to total depth if operations permit.

#### **DRILLING PLAN**

#### **APPROVAL OF OPERATIONS**

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling out surface casing shoe and anytime a new casing string is set..

All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1.	Annular BOP	1,500 psi
2.	Ram type BOP	3,000 psi
3.	Kill line valves	3,000 psi
4.	Choke line valves and choke manifold valves	3,000 psi
5.	Chokes	3,000 psi
6.	Casing, casinghead & weld	1,500 psi
7.	Upper kelly cock and safety valve	3,000 psi
8.	Dart valve	3,000 psi

#### MUD SYSTEMS

- An air or an air/mist system may be used to drill to drill the surface hole until water influx becomes too great.
- · KCL mud system will be used to drill well.
- The mud system will be monitored manually/visually.

<u>Depths</u>	Mud Weight (ppg)	Mud System
0' - 500'	8.4	Air foam mist, no pressure control
500' - 3,558'	8.6	Fresh water, rotating head and diverter
3.558' - 8.778'	8.6	Fresh water/2% KCL/KCL mud system

#### 7. BLOOIE LINE

- An automatic igniter will not be installed on blooie line. The blooie will have a contant ignition source.
- A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
- "Target tee" connections will be a minimum of 50' from wellhead.
- The blooie line discharge will be a minimum of 80' from the wellhead.

#### 8. AUXILIARY EQUIPMENT TO BE USED

- a. Kelly cock.
- b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

#### 9. TESTING, LOGGING, AND CORING PROGRAMS TO BE FOLLOWED

- A drillstem test in the Wasatch Tongue is possible.
- One electric line wire-log will be run from total depth to intermediate casing.
- The gamma ray will be left on to record from total depth to intermediate casing.
- Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
- A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

#### 10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

- Expected BHP 1,500-2,000 psi (lower than normal pressure gradient).
- No abnormal temperature or pressures are anticipated.
- The formations to be penetrated do not contain known H2S gas.

#### 11. WATER SUPPLY

- No water pipelines will be laid for this well.
- No water well will be drilled for this well.
- Drilling water for this will be hauled on the road(s) shown in Attachment No. 3.
- Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

#### **DRILLING PLAN**

#### APPROVAL OF OPERATIONS

#### 12. **CEMENT SYSTEMS**

- Surface Cement:
  - Drill 17-1/2" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% CaCl<sub>2</sub> and 1/4 #/sk. Polyflake (volume includes 70% excess). Top out as necessary. Casing to be centralized with a total of 5 centralizers.
- Intermediate Casing Cement:
  - Drill 12-1/4" hole to 3,558'±, run and cement 9-5/8" to surface.
  - Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
  - Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug one joint off bottom e) bottom three joints thread locked f) pump job with bottom plug only. Casing to be centralized with a total of 15 centralizers.
  - Cement to surface not required due to surface casing set deeper than normal.

					<u>Hole</u>	Cement
<u>Type</u>	Sacks 5 cr	Interval	<b>Density</b>	<u>Yield</u>	<u>Volume</u>	<u>Volume</u>
Lead	421	0'-2,830'	10.5 ppg	4.14 CFS	996 CF	1,743 CF
Tail	254	2,830-3,330	15.6 ppg	1.2 CFS	174 CF	304 CF

Intermediate design volumes based on 75% excess of gauge hole.

Lead Mix:

Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.

Slurry yield:

4.14 cf/sack

Slurry weight: 10.5 #/gal.

Water requirement:

26.07 gal/sack

Compressives @ 110°F: 72 psi after 24 hours

Tail Mix:

Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 46.5% fresh water.

Slurry yield:

1.20 cf/sack

Slurry weight: 15.6 #/gal.

Pump Time:

1 hr. 5 min. @ 110 °F.

Compressives @ 110 °F: 2,500 psi after 24 hours

- c. Production Casing Cement:
  - Drill 7-7/8" hole to 8,778'±, run and cement 5 1/2".
  - Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H20 spacer.
  - Displace with 2% KCL.
  - Production casing to be centralized with 30 centralizers.

					<u>Hole</u>	<u>Cement</u>
<u>Type</u>	<u>Sacks</u>	<u>Interval</u>	<u>Density</u>	<u>Yield</u>	<u>Volume</u>	<u>Volume</u>
Lead	90-	4,063-4,863	11.5 ppg	3.12 CFS	139 CF	277 CF
Tail	780	4,863'-8,778'	13.0 ppg	1.75 CFS	678 CF	1357 CF

Production design volumes based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring lead cement to 800' above top of Wasatch + 15% excess, and tail cement to top of Wasatch +15%.

Lead Mix:

Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.

Slurry yield:

3.12 cf/sack

Slurry weight:

11.60 #/gal.

Water requirement:

17.71 gal/sack

Compressives @ 130°F: 157 psi after 24 hours

Tail Mix:

Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322,

& HR-5.

Slurry yield:

1.75 cf/sack

Slurry weight:

13.00 #/gal.

9.09 gal/sack

Water requirement:

Compressives @ 165°F: 905 psi after 24 hours

#### 13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

Starting Date:

November 1, 2006

Duration:

14 Days

Form 3160-3 (February 2005)

## **RECEIVED**

FORM APPROVED OMB No. 1004-0137 Expires March 31, 2007

UNITED STATES
DEPARTMENT OF THE INTERIOR
RUREAU OF LAND MANAGEMENT

AUG 3 0 2006 5. Lease Serial No. U013769-A

BUREAU OF LAND MAN	U013/09-A					
APPLICATION FOR PERMIT TO	6. If Indian, Allotee or Tribe Name N/A					
la. Type of work:	ER			7 If Unit or CA Agreement, Name and No. River Bend Unit		
lb. Type of Well: ☐Oil Well ☐Gas Well ☐Other		Single Zone Multip	le Zone	8. Lease Name and RBU 23-19F	Well No.	
Name of Operator     Dominion Exploration & Production, I	nc.			9. API Well No.		···
3a. Address 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134		hone No. (inchede area code) 405-749-5263		10. Field and Pool, or Natural Butte	•	гу
4. Location of Well (Report location clearly and in accordance with an	ny State	requirements.*)		11. Sec., T. R. M. or B	lk. and Su	rvey or Area
At surface 654' FNL & 3,156' FWL, NE/4 NW At proposed prod. zone 1,450' FNL & 2,850' FEL, SE/4 NW	•			Section 19, T1	0S, R201	E, SLB&M
14. Distance in miles and direction from nearest town or post office*				12. County or Parish		13. State
10.83 miles southwest of Ouray, Utah	1			Uintah		UT
15 Distance from proposed* location to nearest property or lease line, ft		No. of acres in lease		ing Unit dedicated to this well		
(Also to nearest drig. unit line, if any) 654'				20 acres		
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.  10'	1	Proposed Depth 550' TVD (8,778' MD)		M/BIA Bond No. on file Y 3322		
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5,123' GR	22	Approximate date work will star 11/01/2006	t*	23. Estimated duration 14 days	n	
	24.	Attachments				
The following, completed in accordance with the requirements of Onshor	re Oil	and Gas Order No.1, must be at	tached to thi	s form:		
<ol> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> <li>A Surface Use Plan (if the location is on National Forest System SUPO must be filed with the appropriate Forest Service Office).</li> </ol>		4. Bond to cover the ltem 20 above). the 5. Operator certific	ne operation	ns unless covered by an		
25. Signature  Don Hamilton		Name (Printed/Typed)  Don Hamilton			Date 08/	31/2006
Title Agent for Dominion				<del></del>		
Approved by (Signature)		Name (Printed/Typed)			Date	
The second		JERRY KENC	zLA		12-7	-2006
Title Apolitiant Field Manager Lands & Mineral Resources		Office	• • • •			
Application approval does not warrant or certify that the applicant hold conduct operations thereon.  Conditions of approval, if any, are attached.	le Jega	or equitable title to those righ		ject lease which would	ntitle the	applicant to

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on page 2)

MOTICE OF ATDEOVAL

ORIGINAL



#### UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE

VERNAL, UT 84078

(435) 781-4400



#### CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Dominion Expl. & Prod., Inc. Location: SENW, Sec 19, T10S, R20E

170 South 500 East

Well No: RBU 23-19F Lease No: UTU-013759-A API No: 43-047-38553 Agreement: River Bend Unit

Cell: 435-828-4470 Office: 435-781-4490 Matt Baker Petroleum Engineer: Cell: 435-828-7875 Michael Lee Office: 435-781-4432 Petroleum Engineer: Office:435-781-4470 Cell: 435-828-Petroleum Engineer: James Ashley Office: 435-781-4502 Cell: 435-828-3913 Jamie Sparger Supervisory Petroleum Technician: Cell: 435-828-4029 Office: 435-781-4475 **Environmental Scientist:** Paul Buhler

Environmental Scientist: Karl Wright Office: 435-781-4484
Natural Resource Specialist: Holly Villa Office: 435-781-4404
Natural Resource Specialist: Melissa Hawk Office: 435-781-4476
Natural Resource Specialist: Scott Ackerman
After Hours Contact Number: 435-781-4513
Fax: 435-781-4410

## A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.

#### NOTIFICATION REQUIREMENTS

Location Construction (Notify Karl Wright)

Forty-Eight (48) hours prior to construction of location and access roads.

Location Completion (Notify Karl Wright)

Prior to moving on the drilling rig.

Spud Notice

Twenty-Four (24) hours prior to spudding the well.

(Notify Matt Baker)

Casing String & Cementing

Twenty-Four (24) hours prior to running casing and cementing all casing

strings.

BOP & Related Equipment Tests

Twenty-Four (24) hours prior to initiating pressure tests.

(Notify Jamie Sparger)

(Notify Jamie Sparger)

First Production Notice (Notify Matt Baker)

- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90)

days.

COAs: Page 2 of 6 Well: RBU 23-19F

#### SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

Surface Conditions of Approval or monitoring are listed in the Surface Use Plan of the APDs.

- 1. **RBU 23-19F:** The access route will be rerouted around the East and South edge of the pad. No fill will be allowed to fall into the drainage. This reroute will be approximately 200 feet. The road will be returned to its present location upon reclaiming the pit.
- 2. Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee will submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the Best Management Practice of the reshaping of the pad to the original contour to the extent possible; the re-spreading of the top soil up to the rig anchor points; and, reseeding the area using appropriate reclamation methods.
- 3. The interim seed mix for reclamation will be:

Hy-crest Crested Wheatgrass	<i>4</i> .	Agropyron cristatum	5.	4 lbs per acre
Western Wheatgrass	6.	Agropyron smithii	7.	4 lbs per acre
Needle and Threadgrass	8.	Stipa comata	9.	4 lbs per acre

- 4. If paleontologic materials are uncovered during construction, the operator shall immediately stop work that might further disturb such materials and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation will be necessary for the discovered paleontologic material.
- 5. Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil respread over the surface; and, the surface re-vegetated. The surface of approved staging areas where construction activities did not occur may require disking or ripping and reseeding.

COAs: Page 3 of 6 Well: RBU 23-19F

#### DOWNHOLE CONDITIONS OF APPROVAL

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

#### SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- 1. A Cement Bond Log (CBL) shall be run from the TD to the top of cement. A field copy of the CBL shall be submitted to the BLM Vernal Field Office for review.
- 2. Variance granted: Eighty foot long blooie line approved.

#### DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- 1. There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
- 2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- 3. <u>Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.</u>
- 4. Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

No aggressive/fresh hard-banded drill pipe shall be used within casing.

5. The lessee/operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled and analyzed (a copy of the analyses to be submitted to the BLM Field Office in Vernal, Utah).

COAs: Page 4 of 6 Well: RBU 23-19F

6. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.

- 7. The lessee/operator must report encounters of all non oil & gas mineral resources (such as gilsonite, tar sands, oil shale, etc.) to Peter Sokolosky or another geologist of the Vernal Field Office in writing within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- 8. No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office shall be obtained and notification given before resumption of operations.
- 9. Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

Any change in the program shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.

In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

10. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

COAs: Page 5 of 6 Well: RBU 23-19F

A cement bond log (CBL) will be run from the production casing shoe to the surface casing shoe and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.

11. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.

All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.

- 12. Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.
- 13. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- 14. This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - a. Operator name, address, and telephone number.
  - b. Well name and number.
  - c. Well location (1/41/4, Sec., Twn, Rng, and P.M.).
  - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
  - e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

COAs: Page 6 of 6 Well: RBU 23-19F

- g. Unit agreement and / or participating area name and number, if applicable.
- h. Communitization agreement number, if applicable.
- 15. Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
- 16. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production
- 17. Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- 18. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

## **RECEIVED** SEP 1 U 2007

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES FORM 9

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING  DIV. OF OIL, GAS &	U-013769-A
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT OF CA AGREEMENT NAME: River Bend Unit
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: RBU 23-19F
2. NAME OF OPERATOR:	9. API NUMBER:
XTO Energy	4304738553  10. FIELD AND POOL, OR WILDCAT:
3. ADDRESS OF OPERATOR: P.O. Box 1360 CITY Roosevelt STATE UT ZIP 84066 PHONE NUMBER: (435) 722-4521	Natural Buttes
4. LOCATION OF WELL	I Contact
FOOTAGES AT SURFACE: 654' FNL & 3,156' FWL	COUNTY: <b>Uintah</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 19 10S 20E S	STATE: UTAH
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT	ORT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)  ALTER CASING  FRACTURE TREAT	SIDETRACK TO REPAIR WELL  TEMPORARILY ABANDON
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TUBING REPAIR
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE  CHANGE TURING PLUG AND ABANDON	VENT OR FLARE
	WATER DISPOSAL
SUBSEQUENT REPORT (Submit Original Form Only)  CHANGE WELL STATUS  PRODUCTION (START/RESUME)	WATER SHUT-OFF
Date of work completion:  COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	✓ OTHER: Permit Extension
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATIO	N
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volu XTO Energy. hereby requests a one year extension of the state permit for the referenced.  This is the first extension that has been requested.	
Approved by the Utah Division of Oil, Gas and Mining	
Date: 10-02-07  By:	10-3-07 PM
NAME (PLEASE PRINT) Marnie Griffin TITLE Agent for XTO	Energy
SIGNATURE	
(This space for State use only)	

## RECEIVED SEP 1 U 2007

# Application for Permit to Drill, GAS & MINING Request for Permit Extension Validation (this form should accompany the Sundry Notice requesting permit extension)

API:	4304738553	and the second s		
Nell Name:				
_ocation:		FNL & 3,156' FWL	,	
Company Per	mit Issued to	XTO Energy		
Date Original	Permit Issued	1: 9/25/2006		
above hereby	verifies that th	e information a	to drill on the property as s submitted in the previou nd does not require revis	ısıy
Following is a verified.	checklist of so	me items relate	d to the application, whic	n should be
If located on pagreement be	orivate land, ha en updated? Y	s the ownership ′es⊡No <i>⊠</i>	o changed, if so, has the s	urface
Have any wel the spacing o	ls been drilled in siting requirer	in the vicinity of ments for this lo	the proposed well which cation? Yes⊟No⊠	would affect
Has there bee	en any unit or o operation of thi	other agreements s proposed wel	ts put in place that could a l? Yes⊡ No⊠	affect the
Have there be of-way, which	een any chango could affect th	es to the access ne proposed loc	s route including ownersh ation? Yes□No ☑	ip, or right-
Has the appro	oved source of	water for drillin	g changed? Yes□ No☑	
Have there be which will req evaluation? Y	uire a change	al changes to tl in plans from w	ne surface location or acc hat was discussed at the	ess route onsite
Is bonding sti	ill in place, whic	ch covers this p	roposed well? Yes ☑No [	ב
	$\mathcal{W}$		9/7/2007	
Signature			Date	
Title: Agent	•			
Representing	3: XTO Energy			

## Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET

R	OUTING	
1.	DJJ	
2	CDW	•

Operator Name Change/Merger

The operator of the well(s) listed below has chan	ged, ef	fectiv	/e:	Орога	tor ranno	7/1/2007	, C1		
FROM: (Old Operator):	٠, ٠, ٠,	'	· · · · · · · · · · · · · · · · · · ·	TO. (N		// 1/2UU /			
• •				<b>TO:</b> ( New O					
N1095-Dominion Exploration & Production, Inc				N2615-XTO Energy Inc					
14000 Quail Springs Parkway, Suite 600					uston St				
Oklahoma City, OK 73134				Fort W	orth, TX 76	5102			
Phone: 1 (405) 749-1300				Phone: 1 (817)	870-2800				
CA No.				Unit:		RIVER F	BEND		
WELL NAME	SEC	TWN	RNG	API NO	ENTITY	LEASE TYPE	WELL	WELL	
			<b>-</b>		NO		TYPE	STATUS	
SEE ATTACHED LIST								L	
ODED ATOD CHANCES DOCUMENT	A TEXT	N TAT							
OPERATOR CHANGES DOCUMENT	AIIC	JIN							
Enter date after each listed item is completed  1. (R649-8-10) Sundry or legal documentation was	c <b>r</b> eco	wad f	hom the	EODMED and		8/6/2007			
				_					
2. (R649-8-10) Sundry or legal documentation wa				-		8/6/2007			
3. The new company was checked on the <b>Departs</b>		i Con	nmerce		-			8/6/2007	
4a. Is the new operator registered in the State of U				Business Numb	per:	5655506-0143			
4b. If NO, the operator was contacted contacted of									
5a. (R649-9-2)Waste Management Plan has been re	ceived	on:		IN PLACE					
5b. Inspections of LA PA state/fee well sites complete.	ete on	:		n/a					
5c. Reports current for Production/Disposition & S	undrie	s on:		ok	•				
6. Federal and Indian Lease Wells: The BL	M and	or th	e BIA h	as approved the	- merger, na	me change,			
or operator change for all wells listed on Federa					BLM		BIA		
7. Federal and Indian Units:								•	
The BLM or BIA has approved the successor	of uni	t oper	rator for	wells listed on	•				
8. Federal and Indian Communization Ag		_							
The BLM or BIA has approved the operator is						,			
9. Underground Injection Control ("UIC"					oved UIC Fo	orm 5, Transfer	of Autho	rity to	
Inject, for the enhanced/secondary recovery un		ect for	r the wa	iter disposal we	ll(s) listed o	n:		•	
DATA ENTRY:				•	<b>、</b> /	•	······································		
1. Changes entered in the Oil and Gas Database	on:			9/27/2007					
2. Changes have been entered on the Monthly Op	erato	r Cha	nge Sp		•	9/27/2007			
3. Bond information entered in RBDMS on:				9/27/2007	<u>.</u>				
4. Fee/State wells attached to bond in RBDMS on				9/27/2007	-				
5. Injection Projects to new operator in RBDMS of				9/27/2007	-				
6. Receipt of Acceptance of Drilling Procedures f	or API	D/Nev	v on:		9/27/2007				
BOND VERIFICATION:									
1. Federal well(s) covered by Bond Number:				UTB000138					
2. Indian well(s) covered by Bond Number:	44.			n/a					
3a. (R649-3-1) The <b>NEW</b> operator of any state/fe		. ,		•	umber	104312762			
3b. The <b>FORMER</b> operator has requested a release of liability from their bond on: 1/23/2008  The Division cent response by letter on:									
The Division sent response by letter on:	A DEST	\							
LEASE INTEREST OWNER NOTIFIC			, , .	1.0	1 •				
4. (R649-2-10) The NEW operator of the fee wells					y a letter fro	om the Division			
of their responsibility to notify all interest owner <b>COMMENTS</b> :	s of th	us cna	inge on:					<del></del>	
COMMEN I 3.									

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:
SUNDRY NOTICES AND REPORTS ON	WELLS  6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottor drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for su	n-hole depth, reenter plugged wells, or to the proposals.
1. TYPE OF WELL OIL WELL ☐ GAS WELL ✓ OTHER	8. WELL NAME and NUMBER:
2. NAME OF OPERATOR:	SEE ATTACHED  9. API NUMBER:
XTO Energy Inc. N3615	SEE ATTACHED
3. ADDRESS OF OPERATOR: 810 Houston Street	PHONE NUMBER: 10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL STATE TX ZIP 76102	(817) 870-2800 Natural Buttes
FOOTAGES AT SURFACE: SEE ATTACHED	county: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: <b>UTAH</b>
11. CHECK APPROPRIATE BOXES TO INDICATE NAT	URE OF NOTICE, REPORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION
✓ NOTICE OF INTENT ACIDIZE	EPEN REPERFORATE CURRENT FORMATION
(Cushmit in Dumitanta)	RACTURE TREAT SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR N	EW CONSTRUCTION TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS	PERATOR CHANGE TUBING REPAIR
CHANGE TUBING PL	UG AND ABANDON VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME	UG BACK WATER DISPOSAL
(Submit Original Form Only)	RODUCTION (START/RESUME) WATER SHUT-OFF
Date of work completion:	TOLANATION OF MELL OFF
	COMPLETE - DIFFERENT FORMATION
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent of	
Effective July 1, 2007, XTO Energy Inc. has purchased the we	is listed on the attachment from:
Dominion Exploration & Production, Inc. 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134	
James D. Abercrombie Sr. Vice President, General Manager - Western Business Unit Please be advised that XTO Energy Inc. is considered to be th under the terms and conditions of the lease for the operations is provided by Nationwide BLM Bond #104312750 and Depart	e operator on the attached list and is responsible conducted upon the lease lands. Bond coverage
NAME (PLEASE PRINT) Edwin S. Ryan, Jr., SIGNATURE Edwin & Lym, III	TITLE Sr. Vice President - Land Administration  DATE 7/31/2007
This space for State use only)	RECEIVED
APPROVED 9 127107	
APPROVED 9 137107	AUG 0 6 2007

(5/2000)

Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

DIV. OF OIL, GAS & MINING

## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

#### Request to Transfer Application or Permit to Drill

	(This form should ac	company a Sundr	y Notice, Form 9, requ	resting APD transfer)			
Well	name:	SEE ATTACH	HED LIST				
API	number:						
Loca	ation:	Qtr-Qtr:	Section:	Township Range			
Company that filed original application: DOMINION E&P							
Date	original permit was issued:						
Com	pany that permit was issued to:	DOMINION	E&P		· · · · · · · · · · · · · · · · · · ·		
Check one		Des	ired Action:				
	Transfer pending (unapproved) App	lication for Pe	ermit to Drill to n	ew operator			
	The undersigned as owner with legal r submitted in the pending Application for owner of the application accepts and a	or Permit to Dri	ll, remains valid ai	nd does not require revision. The	e new		
1	Transfer approved Application for P	ermit to Drill 1	to new operator				
	The undersigned as owner with legal r information as submitted in the previou revision.				ire		
Follo	owing is a checklist of some items rela	ated to the ap	plication, which	should be verified.	Yes	No	
If loc	ated on private land, has the ownership	changed?	alah tabbagan bagai masa sa maka masa paka masa paga ya tapar say, samban taba banban kasa m			<b>√</b>	
	If so, has the surface agreement been	updated? 🚽					
requ	e any wells been drilled in the vicinity of t irements for this location?					1	
prop	e there been any unit or other agreement osed well?					✓	
	e there been any changes to the access osed location?	route including	ownership or righ	nt-of-way, which could affect the		✓	
Has	the approved source of water for drilling	changed?				✓	
	e there been any physical changes to the s from what was discussed at the onsite		on or access route	e which will require a change in		✓	
Is bo	onding still in place, which covers this pro	posed well? E	ond No. 1043127	762	✓		
Any shou nece	desired or necessary changes to either a lid be filed on a Sundry Notice, Form 9, cessary supporting information as required	a pending or ap or amended Ap	proved Applicatio plication for Perm	n for Permit to Drill that is being t	ransfer with	rred,	
	ie (please/print)/HOLLY C. PEIKKINS		Date 08/27/20			·	
	ature (, / LOKANO) XTO ENERG	Y INC	Date 00/2/7200				
Repr	resenting (company name) XTO ENERG	. , ,,,,,,					

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

(3/2004) AUG 3 0 2007

#### N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

#### RIVER BEND UNIT

api	well_name	qtr_qtr	sec	twp	rng	lease_num	entity	Lease	well	
4304736202	RBU 2-20E	NWNE	20	100S	190E	U-03505		Federal	GW	APD
4304736203	RBU 15-20E	SWSE	20	100S	190E	U-03505		Federal	GW	APD
4304736204	RBU 10-20E	NWSE	20	100S	190E	U-03505		Federal	GW	APD
4304736205	RBU 14-21E	SESW	21	100S	190E	U-013766		Federal	GW	APD
4304736295	RBU 10-21E	NWSE	21	100S	190E	U-013766		Federal	GW	APD
4304736426	RBU 7-9E	NWSE	09	100S	190E	U-03505		Federal	GW	APD
4304736430	RBU 16-20E	SESE	20	100S	190E	U-03505		Federal	GW	APD
4304736431	RBU 13-21E	SESE	20	100S	190E	U-013766		Federal	GW	APD
4304736606	RBU 14-11F	SESW	11	100S	200E	U-7206		Federal	GW	APD
4304737032	RBU 1-4E	NENE	04	100S	190E	U-013792		Federal	GW	APD
4304737423	RBU 2-21F	SWSE	16	100S	200E	U-013793-A		Federal	OW	APD
4304737569	RBU 14-15F	SESW	15	100S	200E	U-7206		Federal	OW	APD
4304737648	RBU 6-4E	SWNE	04	100S	190E	U-013792		Federal	GW	APD
4304737649	RBU 12-17E	NWSW	17	100S	190E	U-03505		Federal	GW	APD
4304737650	RBU 13-17E	SWSW	17	100S	190E	U-03505		Federal	GW	APD
4304737651	RBU 6-23E	SENW	23	100S	190E	U-013766		Federal	GW	APD
4304737652	RBU 7-16F	SWNE	16	100S	200E	U-7206		Federal	GW	APD
4304737748	RBU 14-16F	SWSE	16	100S	200E	U-7206		Federal	GW	APD
4304738341	RBU 15-21E	SWSE	21	100S	190E	U 013766		Federal	GW	APD
4304738544	RBU 18-24E	SWSE	13	100S	190E	U 013794		Federal	GW	APD
4304738545	RBU 19-24E	SWSE	13	100S	190E	U 013794		Federal	GW	APD
4304738546	RBU 25-13E	NWSE	13	100S	190E	U-013765		Federal	GW	APD
4304738547	RBU 31-13E	NWSE	13	100S	190E	U-013765		Federal	GW	APD
4304738549	RBU 17-24E	NWNW	19	100S	200E	U-013794		Federal	GW	APD
4304738550	RBU 18-19F	NENW	19	100S	200E	U 013769-A		Federal	GW	APD
4304738551	RBU 19-19F	NWNW	19	100S	200E	U 013769-A		Federal	GW	APD
4304738552	RBU 20-19F	NWNW	19	100S	200E	U 013769-A		Federal	GW	APD
4304738553	RBU 23-19F	NENW	19	100S	200E	U013769-A		Federal	GW	APD
4304738554	RBU 21-18F	NWSW	18	100S	200E	U013769-A		Federal	GW	APD
4304738582	RBU 17-10E	NWNE	10	100S	190E	U-013792		Federal	GW	APD
4304738583	RBU 18-10E	NWNE	10	100S	190E	U-013792		Federal	GW	APD
4304738584	RBU 27-10E	SWSE	10	100S	190E	U-013792		Federal	GW	APD
4304738585	RBU 26-10E	NESE	10	100S	190E	U-013792		Federal	GW	APD
4304738586	RBU 25-10E	NESE	10			U-013792		Federal	GW	APD
4304738587	RBU 23-10E	NESE	10	100S	190E	U-013792		Federal	GW	APD
4304738588	RBU 22-10E	SWNW	10	100S	190E	U-035316		Federal	GW	APD
4304738589	RBU 21-14E	NWSW	14	100S	190E	U-013792		Federal	GW	APD
4304738590	RBU 27-14E	NWSW	14	100S	190E	U-013792		Federal	GW	APD
4304738591	RBU 25-14E	NESE	14	100S	190E	U-013792		Federal	GW	APD
4304738592	RBU 24-14E	NENE	14	100S	190E	U-013792		Federal	GW	APD
4304738593	RBU 23-14E	SENW	14	100S	190E	U-013792		Federal	GW	APD
4304738594	RBU 30-10E	NENW	15	100S	190E	U-013792		Federal	GW	APD
4304738597	RBU 18-15E	NENW	15			U-013766		Federal	GW	APD
4304738598	RBU 20-14E	SENE	15			U-013792		Federal	GW	APD



## United States Department of the Interior

## BUREAU OF LAND MANAGEMENT Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155



1664

IN REPLY REFER TO 3180 UT-922

Dominion Exploration & Production, Inc. Attn: James D. Abercrombie 14000 Quail Springs Parkway, #600 Oklahoma City, OK 73134-2600

August 10, 2007

Re:

River Bend Unit Uintah County, Utah

#### Gentlemen:

On August 8, 2007, we received an indenture dated June 30, 2007, whereby Dominion Exploration & Production, Inc. resigned as Unit Operator and XTO Energy Inc. was designated as Successor Unit Operator for the River Bend Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective August 15, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the River Bend Unit Agreement.

Your statewide oil and gas bond No. UTB000138 will be used to cover all operations within the River Bend Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Greg J. Noble

Greg J. Noble Acting Chief, Branch of Fluid Minerals

**Enclosure** 

AUG 1 6 2007

DIV. OF OIL, GAS & MINING

Form 3160-5 (February 2005)

Subsequent Report

Final Abandonment Notice

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR

**BUREAU OF LAND MANAGEMENT** 

FORM APPROVED OM B No. 1004-0137 Expires: March 31, 2007

ALBIDDY.	NOTIOES	AND	DEDARTO	<b>~</b> N	WELLO
SUNDRY	MOLICES	ANU	REPORTS	UN	MELL'2

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

Change Plans

Convert to Injection

States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

5.	Lease Serial No.	
	U 013769-A	•
6.	If Indian, Allottee or Tribe Name	

				_}				
SUBMIT IN TRIPLICATE- Other instructions on reverse side.				7. If Unit or CA/Agreement, Name and/or No.  River Bend Unit				
I. Type of Well					8. Well Name and No.			
2. Name of Operator XTO Energy, Inc.					9 API Well No.			
3a. Address 3b. Phone No. (include area code)			4304738553					
PO Box 1360; 978 North Crescent, Roosevelt, UT 84066 435-722-4521					10. Field and Pool, or Exploratory Area Natural Buttes			
4. Location of Well (Footage, Sec., 654' FNL & 3,156' FWL, NE/				11. County	or Parish, State  County, Utah			
12. CHECK A	PPROPRIATE BOX(ES) TO	DINDICATE NATUR	E OF NOTICE, F	REPORT, OR	OTHER DATA			
TYPE OF SUBMISSION		TYP	E OF ACTION					
Notice of Intent	Acidize Alter Casing Casing Repair	Deepen Fracture Treat New Construction	Production (Si	art/Resume)	Water Shut-Off Well Integrity Other Permit Extension			

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Plug and Abandon

Plug Back

Temporarily Abandon

Water Disposal

XTO Energy hereby requests a one year extension of the federal permit for the referenced well that expires on 12-7-07.

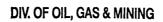
This is the first extension that has been requested. The federal permit was formerly in the name of Dominion Exploration & Production. Inc.

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)	1
Don Hamilton	Title Agent for XTO Energy, Inc.
Signature Don Hamilton	Date 10-10-2007
THIS SPACE FOR FEDE	RAL OR STATE OFFICE USE
Approved by	Petroleum Engineerate OCT 22 2007
Conditions of approval, if any, are attached. Approval of this notice does not certify that the applicant holds legal or equitable title to those rights in the sub which would entitle the applicant to conduct operations thereon.	warrant or
Title 19 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for	ar any nerson knowingly and willfully to make to any department or agency of the Uni

(Instructions on page 2)

RECEIVED

CONDITIONS OF APPROVAL ATTACHED





### **CONDITIONS OF APPROVAL**

### XTO Energy, Inc.

## **Notice of Intent APD Extension**

Lease:

UTU-013769-A RBU 23-19F

Well: Location:

NENW Sec 19-T10S-R20E

An extension for the referenced APD is granted with the following conditions:

1. The extension and APD shall expire on 12/7/08.

2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Ryan Angus of this office at (435) 781-4430

#### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

OTHER

10S

..... 87410

20E

S

STATE NM

19

GAS WELL 🔽

1. TYPE OF WELL

382 CR 3100

2. NAME OF OPERATOR: XTO ENERGY INC

4. LOCATION OF WELL

3. ADDRESS OF OPERATOR:

OIL WELL

FOOTAGES AT SURFACE: 654' FNL & 3156' FWL

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW

AZTEC

	FORM 9
!	5. LEASE DESIGNATION AND SERIAL NUMBER: U-013769-A
.S	6. IF INDIAN, ALLOTTEE OR TRIBE NAME; N/A
, reenter plugged wells, or to	7. UNIT OF CA AGREEMENT NAME: RIVERBEND UNIT
	8. WELL NAME and NUMBER: RBU 23-19F
	9. API NUMBER:
	4304738553
PHONE NUMBER:	10. FIELD AND POOL, OR WLDCAT:
(505) 333-3100	NATURAL BUTTES
	COUNTY: UINTAH
	STATE: UTAH
OF NOTICE, REPO	RT, OR OTHER DATA
PE OF ACTION	
	REPERFORATE CURRENT FORMATION
TREAT	SIDETRACK TO REPAIR WELL
RUCTION	TEMPORARILY ABANDON
CHANGE	TUBING REPAIR
ABANDON	VENT OR FLARE
	WATER DISPOSAL
N (START/RESUME)	WATER SHUT-OFF
ON OF WELL SITE	OTHER: CHG DRL
TE - DIFFERENT FORMATION	PROCEDURES
luding dates, depths, volum	es, etc.
the attached docun	nents.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, RE 11. TYPE OF ACTION TYPE OF SUBMISSION DEEPEN ACIDIZE NOTICE OF INTENT FRACTURETREAT (Submit in Duplicate) ALTER CASING **NEW CONSTRUCTION** Approximate date work will start: CASING REPAIR CHANGE TO PREVIOUS PLANS OPERATOR CHANGE CHANGE TUBING PLUG AND ABANDON SUBSEQUENT REPORT CHANGE WELL NAME (Submit Original Form Only) PRODUCTION (START/RESUME) CHANGE WELL STATUS Date of work completion: COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE **RECOMPLETE - DIFFERENT FORMAT** CONVERT WELL TYPE 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, v XTO Energy Inc. proposes to change the current drilling procedures per the attached do COPY SENT TO OPERATOR Date: 6.10.2008 Initials: FILE CLERK WANETT MCCAULEY NAME (PLEASE PRINT) 5/16/2008 DATE SIGNATURE Federal Approval Of This Accepted by the **RECEIVED** (This space for State use only) Utah Division of Action Is Necessary Oil, Gas and Mining MAY 2.1 2008 DIV. OF OIL, GAS & MINING (5/2000) structions on Reverse Side)

#### XTO ENERGY INC.

**RBU 23-19F** APD Data May 16, 2008

Location: 654' FNL & 3156' FWL, Sec. 19, T10S, R20E County: Uintah

State: Utah

Bottomhole Location: 1450' FNL & 2850' FEL, Sec. 19, T10S, R20E

GREATEST PROJECTED TD: 8659' MD/ 8550' TVD

OBJECTIVE: Wasatch/Mesaverde

APPROX GR ELEV: 5123'

Est KB ELEV: 5137' (14' AGL)

#### 1. MUD PROGRAM:

INTERVAL	0' to 2247'	2247' to 8659'
HOLE SIZE	12.25"	7.875"
MUD TYPE	FW/Spud Mud	KCl Based LSND / Gel Chemical
WEIGHT	8.80	8.6-9.2
VISCOSITY	NC	30-60
WATER LOSS	NC	8-15

Remarks: Use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning. Raise viscosity at TD for logging. Reduce viscosity after logging for cementing purposes. The mud system will be monitored visually/manually.

#### 2. CASING PROGRAM:

Surface Casing: 9.625" casing set at ±2247'MD/2200'TVD in a 12.25" hole filled with 8.8 ppg mud

										110		
					Coll	Burst						
					Rating	Rating	Jt Str	ID	Drift	SF	SF	SF
Interval	Length	Wt	Gr	Cplg	(psi)	(psi)	(M-lbs)	(in)	(in)	Coll	Burst	Ten
0'-2247'	2247'	36#	J-55	ST&C	2020	3520	394	8.921	8.765	2.57	4.47	4.87

Production Casing: 5.5" casing set at  $\pm 8659$ 'MD/8550'TVD in a 7.875" hole filled with 9.20 ppg mud.

		,		0							0	
					Coll	Burst						
					Rating	Rating	Jt Str	ID	Drift	SF	SF	SF
Interval	Length	Wt	Gr	Cplg	(psi)	(psi)	(M-lbs)	(in)	(in)	Coll	Burst	Ten
0'-8659'	8659'	17#	N-80	LT&C	6280	7740	348	4.892	4.767	1.94	2.39	2.36

Collapse and burst loads calculated at TVD with 0.1 psi/ft gas gradient back up.

#### 3. WELLHEAD:

- A. Casing Head: Larkin Fig 92 (or equivalent), 9" nominal, 2,000 psig WP (4,000 psig test) with 9-5/8" 8rnd thread on bottom (or slip-on, weld-on) and 11-3/4" 8rnd thread on top.
- B. Tubing Head: Larkin Fig 612 (or equivalent), 6.456" nominal, 5,000 psig WP, 5-1/2" 8rnd female thread on bottom (or slip-on, weld-on), 8-5/8" 8rnd thread on top.

#### 4. CEMENT PROGRAM:

A. Surface: 9.625", 36#, J-55 (or equiv.), ST&C casing to be set at ±2247' in 12.25" hole.

#### LEAD:

±221 sx of Premium Plus V Blend. (Type V/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 11.0 ppg, 3.82 ft<sup>3</sup>/sk, 22.95 gal wtr/sx.

#### TAIL:

350 sx Class G or equivalent cement with bonding additive, LCM, dispersant, & fluid loss mixed at 15.6 ppg, 1.2 cuft/sx

Total estimated slurry volume for the 9.625" intermediate casing is 1265.7 ft<sup>3</sup>. Slurry includes 75% excess of calculated open hole annular volume to 2247'.

B. Production: 5.5", 17#, N-80 (or equiv.), LT&C casing to be set at  $\pm 8659$ ' in 7.875" hole.

#### LEAD:

±265 sx of Premium Plus V Blend. (Type V/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 11.6 ppg, 3.10 ft<sup>3</sup>/sk, 17.71 gal wtr/sx.

#### TAIL:

**400** sx Class G or equivalent cement with poz, bonding additive, LCM, dispersant, & fluid loss mixed at 13.0 ppg, 1.49 cuft/sx, 9.09 gal/sx.

Total estimated slurry volume for the 5.5" production casing is 1417.9 ft<sup>3</sup>. Slurry includes 15% excess of calculated open hole annular volume.

Note: The slurry design may change slightly based upon actual conditions. Final cement volumes will be determined from the caliper logs plus 15% or greater excess. The cement is designed to circulate on surface casing string. The production casing is designed for 1747' top of cement..

#### 5. LOGGING PROGRAM:

- A. Mud Logger: The mud logger will come on at intermediate casing point and will remain on the hole until TD. The mud will be logged in 10' intervals.
- B. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP fr/TD (8659') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (8659') to 2247'. Run Gamma Ray to surface.

#### 6. FORMATION TOPS:

Please see attached directional plan.

#### 7. ANTICIPATED OIL, GAS, & WATER ZONES:

A.

Formation	Expected Fluids	TV Depth Top
Wasatch Tongue	Oil/Gas/Water	4120
Wasatch	Gas/Water	4635
Chapita Wells	Gas/Water	5545
Uteland Buttes	Gas/Water	6770
Mesaverde	Gas/Water	7620

- B. Appropriately weighted mud will be used to isolate potential gas, oil, and water zones until such time as casing can be cemented into place for zonal isolation.
- C. There are no known potential sources of  $H_2S$ .
- D. The bottomhole pressure is anticipated to be between 4200 psi and 4600 psi.

#### 8. BOP EQUIPMENT:

Surface will not utilize a bop stack.

Production hole will be drilled with a 3000 psi BOP stack.

Minimum specifications for pressure control equipment are as follows:

Ram Type: 11" Hydraulic double ram with annular, 3000 psi w.p.

Ram type preventers and associated equipment shall be tested to stack working pressure if isolated by test plug or to 70% of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline in pressure of more than 10% in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Annular type preventers (if used) shall be tested to 50% of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

- a. when initially installed:
- b. whenever any seal subject to test pressure is broken
- c. following related repairs: and
- d. at 30 day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) shall be held open or the ball removed.

Annular preventers (if used) shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.

A BOPE pit level drill shall be conducted weekly for each drilling crew.

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No.2 for equipment and testing requirements, procedures, etc., and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests. Pressure tests shall apply to all related well control equipment.

BOP systems shall be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Test pressures for BOP equipment are as follows:

Annular BOP -- 1500 psi
Ram type BOP -- 3000 psi
Kill line valves -- 3000 psi
Choke line valves and choke manifold valves -- 3000 psi
Chokes -- 3000 psi
Casing, casinghead & weld -- 1500 psi
Upper kelly cock and safety valve -- 3000 psi
Dart valve -- 3000 psi

Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The BLM in Vernal, UT shall be notified, at least 24 hours prior to initiating the pressure test, in order to have a BLM representative on location during pressure testing.

- a. The size and rating of the BOP stack is shown on the attached diagram.
- b. A choke line and a kill line are to be properly installed.
- c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.
- d. Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.
- e. See attached BOP & Choke manifold diagrams.

#### 9. <u>COMPANY PERSONNEL:</u>

Name	<u>Title</u>	Office Phone	<u>Home Phone</u>
John Egelston	Drilling Engineer	505-333-3163	505-330-6902
Bobby Jackson	Drilling Superintendent	505-333-3224	505-486-4706
Glen Christiansen	Project Geologist	817-885-2800	



7700

8250

8800

8550

-550

Well Name: RBU 23-19F

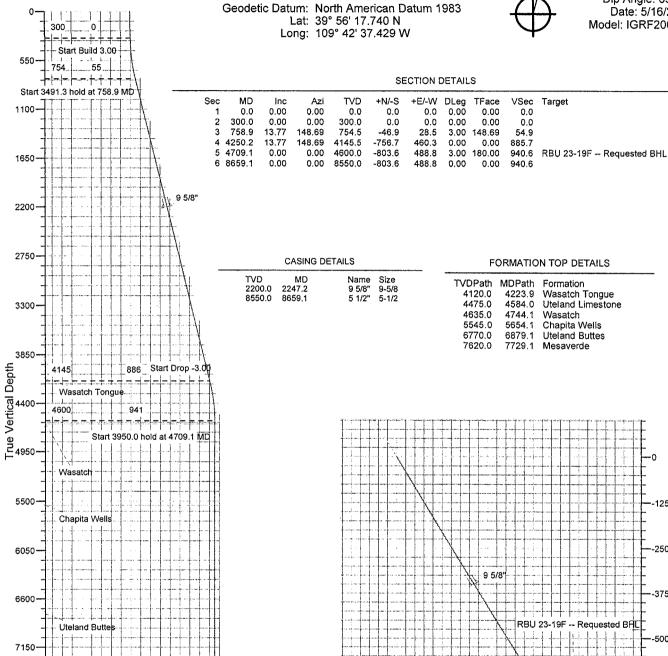
San Juan Basin **Drilling Department** 

Calculation Method: Minimum Curvature



Azimuths to True North Magnetic North: 11.53°

> Magnetic Field Strength: 52594.9nT Dip Angle: 65.86° Date: 5/16/2008 Model: IGRF200510



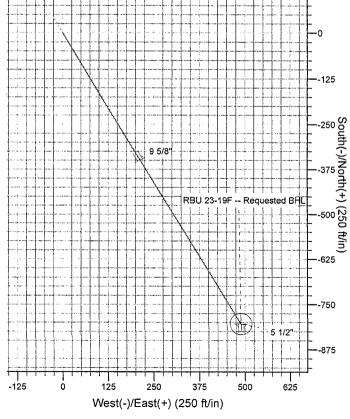
5 1/2"

1100

1650

550

Vertical Section at 148.69°



## **XTO Energy**

Natural Buttes Wells(NAD83) RBU 23-19F RBU 23-19F RBU 23-19F

Plan: Sundry'd Wellbore

## **Standard Planning Report**

16 May, 2008

#### Planning Report

Database:

EDM 2003.14 Single User Db

Company:

XTO Energy

Project:

Natural Buttes Wells(NAD83)

Site: Well: RBU 23-19F RBU 23-19F

Wellbore:

**RBU 23-19F** Sundry'd Wellbore Local Co-ordinate Reference:

TVD Reference:

MD Reference:

North Reference:

**Survey Calculation Method:** 

Well RBU 23-19F

Rig KB @ 5137.0ft (Frontier #6) Rig KB @ 5137.0ft (Frontier #6)

True

Minimum Curvature

Project

Design:

Natural Buttes Wells(NAD83), Vernal, UT

Map System:

US State Plane 1983

Geo Datum:

North American Datum 1983

System Datum:

Mean Sea Level

Using Well Reference Point

Map Zone:

Utah Northern Zone

Site

RBU 23-19F, T10S, R20E

Site Position:

Northing:

3,142,057.97 ft

Latitude:

From:

Lat/Long

Easting:

2,142,321.66 ft

Longitude:

39° 56' 17.740 N

1.18 °

Position Uncertainty:

Slot Radius:

Grid Convergence:

109° 42' 37.429 W

Well

RBU 23-19F, S-Well to Wasatch/Mesaverde

0.0 ft

**Well Position** 

+N/-S +E/-W 0.0 ft 0.0 ft Northing:

3,142,057.97 ft 2,142,321.66 ft Latitude: Longitude: 39° 56' 17.740 N

**Position Uncertainty** 

0.0 ft

Easting: Wellhead Elevation:

5,123.0 ft

**Ground Level:** 

109° 42' 37.429 W

5,123.0 ft

Wellbore

RBU 23-19F

Magnetics

**Model Name** 

Sample Date

Declination (°)

Dip Angle (°)

Field Strength

(nT)

IGRF200510

5/16/2008

11.53

65.86

52,595

Design

Sundry'd Wellbore

Audit Notes:

Phase:

**PROTOTYPE** 

Tie On Depth:

Version:

0.0

+N/-S

+E/-W

0.0

Vertical Section:

Depth From (TVD) (ft)

(ft) 0.0 (ft) 0.0

Direction (°) 148.69

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
758.9	13.77	148.69	754.5	-46.9	28.5	3.00	3.00	0.00	148.69	
4,250.2	13.77	148.69	4,145.5	-756.7	460.3	0.00	0.00	0.00	0.00	
4,709.	1 0.00	0.00	4,600.0	-803.6	488.8	3.00	-3.00	0.00	180.00	RBU 23-19F Reque
8,659.	1 0.00	0.00	8,550.0	-803.6	488.8	0.00	0.00	0.00	0.00	

#### Planning Report

Database:

EDM 2003.14 Single User Db

Company:

XTO Energy

Project:

Natural Buttes Wells(NAD83)

Site: Well: RBU 23-19F RBU 23-19F

Wellbore: Design: RBU 23-19F Sundry'd Wellbore Local Co-ordinate Reference:

TVD Reference:

MD Reference: North Reference:

Survey Calculation Method:

Well RBU 23-19F

Rig KB @ 5137.0ft (Frontier #6) Rig KB @ 5137.0ft (Frontier #6)

True

Minimum Curvature

nned Survey									
			Managara		the street of			D. 1814	4
Measured			Vertical	12.25	e de la companya de	Vertical	Dogleg	Build	Turn
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Section	Rate	Rate	Rate
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0		0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0		0.0	0.0	0.00	0.00	
									0.00
300.0	0.00	0.00	300.0		0.0	0.0	0.00	0.00	0.00
400.0	3.00	148.69	400.0	-2.2	1.4	2.6	3.00	3.00	0.00
500.0	6.00	148.69	499,6	-8.9	5.4	10.5	3.00	3.00	0.00
600.0	9.00	148.69	598.8	<del>-</del> 20.1	12.2	23.5	3.00	3.00	0.00
700.0	12.00	148.69	697.1	-35.7	21.7	41.7	3.00	3.00	0.00
758.9	13.77	148.69	754.5		28.5	54.9	3.00	3.00	0.00
800.0	13.77	148.69	794.4		33.6	64.6	0.00	0.00	0.00
900.0	13.77	148.69	891.5		46.0	88.4	0.00	0.00	0.00
1,000.0	13.77	148.69	988.7		58.3	112.2	0.00	0.00	0.00
1,100.0	13.77	148.69	1,085.8	-116.2	70.7	136.0	0.00	0.00	0.00
1,200.0	13.77	148.69	1,182.9	-136.6	83.1	159.8	0.00	0.00	0.00
1,300.0	13.77	148.69	1,280.1		95.4	183.6	0.00	0.00	0.00
1,400.0	13.77	148.69	1,377.2	-177.2	107.8	207.4	0.00	0.00	0.00
1,500.0		148.69	1,474.3		120.2	231.2	0.00	0.00	0.00
	13.77								
1,600.0	13.77	148.69	1,571.4		132.5	255.0	0.00	0.00	0.00
1,700.0	13.77	148.69	1,668.6	-238.2	144.9	278.8	0.00	0.00	0.00
1,800.0	13.77	148.69	1,765.7	-258.5	157.3	302.6	0.00	0.00	0.00
1,900.0	13.77	148.69	1,862,8	-278.9	169.7	326.4	0.00	0.00	0.00
2,000.0	13.77	148.69	1,959.9		182.0	350.2	0.00	0.00	0.00
2,100.0	13.77	148.69	2,057.1		194.4	374.0	0.00	0.00	0.00
2,200.0	13.77	148.69	2,154.2		206.8	397.8	0.00	0.00	0.00
2,247.2	13.77	148.69	2,200.0	-349.5	212.6	409.0	0.00	0.00	0.00
9 5/8"									
2,300.0	13.77	148.69	2,251.3	-360.2	219.1	421.6	0.00	0.00	0.00
		148.69	2,348.5		231.5	445.4	0.00	0.00	0.00
2,400.0	13.77								
2,500.0	13.77	148.69	2,445.6		243.9	469.2	0.00	0.00	0.00
2,600.0	13.77	148.69	2,542.7		256.2	493.0	0.00	0.00	0.00
2,700.0	13.77	148.69	2,639.8	-441.5	268.6	516.8	0.00	0.00	0.00
2,800.0	13.77	148.69	2,737.0	-461.9	281.0	540.6	0.00	0.00	0.00
2,900.0	13.77	148.69	2,834.1		293.3	564.4	0.00	0.00	0.00
3,000.0	13.77	148.69	2,931.2		305.7	588.2	0.00	0.00	0.00
							0.00	0.00	0.00
3,100.0	13.77	148.69	3,028.3		318.1	612,0 635.8	0.00	0.00	
3,200.0	13.77	148.69	3,125.5		330.4	635.8			0.00
3,300.0	13.77	148.69	3,222.6		342.8	659.6	0.00	0.00	0.00
3,400.0	13.77	148.69	3,319.7	-583.8	355.2	683.4	0.00	0.00	0.00
3,500.0	13.77	148.69	3,416.8		367.5	707.2	0.00	0.00	0.00
3,600.0	13.77	148.69	3,514.0		379.9	731.0	0.00	0.00	0.00
3,700.0	13.77	148.69	3,611.1		392.3	754.8	0.00	0.00	0.00
3,800.0	13.77	148,69	3,708.2		404.6	778.6	0.00	0.00	0.00
3,900.0	13.77	148.69	3,805.4		417.0	802.4	0.00	0.00	0.00
4,000.0	13.77	148.69	3,902.5	-705.8	429.4	826.2	0.00	0.00	0.00
4,100.0	13.77	148.69	3,999.6	-726.2	441.8	850.0	0.00	0.00	0.00
4,200.0	13.77	148.69	4,096.7		454.1	873.8	0.00	0.00	0.00
4,223.9	13.77	148.69	4,120.0		457.1	879.5	0.00	0.00	0.00
•		140.09	4,120.0	-/51.4	457.1	0/9.3	0.00	0.00	0.00
Wasatch To	-	440.00	4 4 4 5 5	750 7	400.0	007.7	0.00	0.00	0.00
4,250.2	13.77	148.69	4,145.5		460.3	885.7	0.00	0.00	0.00
4,300.0	12.27	148.69	4,194.0		466.2	896.9	3.00	-3.00	0.00
4,400.0	9.27	148.69	4,292.2	-782.2	475.9	915.6	3.00	-3.00	0.00
4,500.0	6.27	148.69	4,391.3	-793.8	482.9	929.1	3.00	-3.00	0.00
	3.75	148.69	4,475.0	-800.1	486.7	936.5			

1 f

#### Planning Report

Database:

EDM 2003.14 Single User Db

Company:

XTO Energy

Project: Site:

Natural Buttes Wells(NAD83)

Well: Wellbore:

Design:

RBU 23-19F RBU 23-19F

RBU 23-19F

Sundry'd Wellbore

Local Co-ordinate Reference:

TVD Reference:

MD Reference:

North Reference:

Survey Calculation Method:

Well RBU 23-19F

Rig KB @ 5137.0ft (Frontier #6) Rig KB @ 5137.0ft (Frontier #6)

True

Minimum Curvature

			**						
Measured			Vertical			Vertical	Dogleg	Build	Turn
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Section	Rate	Rate	Rate
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)
Uteland Lime	stone								
4,600.0	3.27	148.69	4,491.0	-800.9	487.2	937.5	3.00	-3.00	0.00
4,709.1	0.00	0.00	4,600.0	-803.6	488.8	940.6	3.00	-3.00	0.00
	<ul> <li>Requested BH</li> </ul>								
4,744.1	0.00	0.00	4,635.0	-803.6	488.8	940.6	0.00	0.00	0.00
Wasatch	0.00	0.00	4,690.9	903 6	488.8	940.6	0.00	0.00	0.00
4,800.0	0.00		·	-803.6			0.00		0.00
4,900.0	0.00	0.00	4,790.9	-803.6	488.8	940.6	0.00	0.00	0.00
5,000.0	0.00 0.00	0.00 0.00	4,890.9 4,990.9	-803.6 -803.6	488.8 488.8	940.6 940.6	0.00 0.00	0.00 0.00	0.00 0.00
5,100.0 5,200.0	0.00	0.00	4,990.9 5,090.9	-803.6	488.8	940.6	0.00	0.00	0.00
5,300.0	0.00	0.00	5,190.9	-803.6	488.8	940.6	0.00	0.00	0.00
5,400.0 5,500.0	0.00 0.00	0.00 0.00	5,290.9 5,390.9	-803.6 -803.6	488.8 488.8	940.6 940.6	0.00 0.00	0.00 0.00	0.00 0.00
5,600.0	0.00	0.00	5,490.9	-803.6	488.8	940.6	0.00	0.00	0.00
5,654.1	0.00	0.00	5,545.0	-803.6	488.8	940.6	0.00	0.00	0.00
Chapita Well	s								
5,700.0	0.00	0.00	5,590.9	-803.6	488.8	940.6	0.00	0.00	0.00
5.800.0	0.00	0.00	5,690.9	-803.6	488.8	940.6	0.00	0.00	0.00
5,900.0	0.00	0.00	5,790.9	-803.6	488.8	940.6	0.00	0.00	0.00
6,000.0	0.00	0.00	5,890.9	-803.6	488.8	940.6	0.00	0.00	0.00
6,100.0	0.00	0.00	5,990.9	-803.6	488.8	940.6	0.00	0.00	0,00
6,200.0	0.00	0.00	6,090.9	-803.6	488.8	940.6	0.00	0.00	0.00
6,300.0	0.00	0.00	6,190.9	-803.6	488.8	940.6	0.00	0.00	0.00
6,400.0	0.00	0.00	6,290.9	-803.6	488.8	940.6	0.00	0.00	0.00
6,500.0	0.00	0.00	6,390.9	-803.6	488.8	940.6	0.00	0.00	0.00
6,600.0	0.00	0.00	6,490.9	-803.6	488.8	940.6	0.00	0.00	0.00
6,700.0	0.00	0.00	6,590.9	-803.6	488.8	940.6	0.00	0.00	0.00
6,800.0	0.00	0.00	6,690.9	-803.6	488.8	940.6	0.00	0.00	0.00
6,879.1	0.00	0.00	6,770.0	-803.6	488.8	940.6	0.00	0.00	0.00
Uteland Butt				000.0	400.0	040.0	0.00	2.00	0.00
6,900.0	. 0.00	0.00	6,790.9	-803.6	488.8	940.6	0.00	0.00	0.00
7,000.0 7,100.0	0.00 0.00	0.00 0.00	6,890.9 6,990.9	-803.6 -803.6	488.8 488.8	940.6 940.6	0.00 0.00	0.00 0.00	0.00 0.00
7,200.0	0.00	0.00	7,090.9	-803.6	488.8	940.6	0.00	0.00	0.00
7,300.0	0.00	0.00	7,190.9	-803.6	488.8	940.6	0.00	0.00	0.00
7,400.0	0.00	0.00	7,290.9	-803.6	488.8	940.6	0.00	0.00	0.00
7,500.0	0.00	0.00	7,390.9	-803.6	488.8	940.6	0.00	0.00 0.00	0.00 0.00
7,600.0	0.00	0.00	7,490.9	-803.6	488.8	940.6	0.00		
7,700.0	0.00	0.00	7,590.9	-803.6	488.8	940.6	0.00	0.00	0.00
7,729.1	0.00	0.00	7,620.0	-803.6	488.8	940.6	0.00	0.00	0.00
Mesaverde	0.00	0.00	7,690.9	-803.6	488.8	940.6	0.00	0.00	0.00
7,800.0 7,900.0	0.00	0.00	7,690.9 7,790.9	-803.6 -803.6	488.8	940.6 940.6	0.00	0.00	0.00
7,900.0 8,000.0	0.00	0.00	7,790.9	-803.6	488.8	940.6	0.00	0.00	0.00
8,100.0	0.00	0.00 0.00	7,990.9 8,090.9	-803.6 -803.6	488.8 488.8	940.6 940.6	0.00 0.00	0.00 0.00	0.00 0.00
8,200.0 8,300.0	0.00 0.00	0.00	8,090.9 8,190.9	-803.6	488.8	940.6 940.6	0.00	0.00	0.00
,			8,190.9 8,290.9	-803.6 -803.6	488.8	940.6 940.6	0.00	0.00	0.00
8,400.0 8,500.0	0.00 0.00	0.00 0.00	8,290.9 8,390.9	-803.6	488.8	940.6	0.00	0.00	0.00
8,600.0 8,659.1	0,00 0,00	0.00 0.00	8,490.9 8,550.0	-803.6 -803.6	488.8 488.8	940.6 940.6	0.00 0.00	0.00 0.00	0.00 0.00
5 1/2"	0.00	0.00	0,000.0	-003.0	400.0	340.0	0.00	0.00	0.00

#### Planning Report

Database:

EDM 2003.14 Single User Db

Company:

XTO Energy

Project:

Natural Buttes Wells(NAD83)

Site: Well: RBU 23-19F RBU 23-19F

Wellbore: Design:

RBU 23-19F Sundry'd Wellbore Local Co-ordinate Reference:

TVD Reference:

MD Reference:

North Reference: Survey Calculation Method: Well RBU 23-19F

Rig KB @ 5137.0ft (Frontier #6) Rig KB @ 5137.0ft (Frontier #6)

True

Minimum Curvature

		rvev	

Measured			Vertical			Vertical	Dogleg	Build	Turn
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Section	Rate	Rate	Rate
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)

Targets									
Target Name - hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting		
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	Latitude	Longitude
RBU 23-19F Requeste - plan hits target - Circle (radius 30.0)		0.00	4,600.0	-803.6	488.8	3,141,264.64	2,142,826.95	39° 56' 9.800 N	109° 42' 31.155 W

Casing Points									
	Measured Depth	Vertical Depth					Casing Diameter	Hole Diameter	
	(ft)	(ft)		,	Name		(")	(")	
	2,247.2	2,200.0	9 5/8"				9-5/8	12-1/4	
	8,659.1	8,550.0	5 1/2"				5-1/2	7-7/8	

Formations						
	Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
	4,223.9	4,120.0	Wasatch Tongue		0.00	
	4,584.0	4,475.0	Uteland Limestone		0.00	
	4,744.1	4,635.0	Wasatch		0.00	
	5,654.1	5,545.0	Chapita Wells		0.00	
	6,879.1	6,770.0	Uteland Buttes		0.00	
	7,729.1	7,620.0	Mesaverde		0.00	

Plan Annotations					
Measured Depth	Vertical Depth	Local Cool	rdinates +E/-W		
(ft)	(ft)	(ft)	(ft)	Comment	
300.0	300.0	0.0	0.0	Start Build 3.00	
758.9	754.5	-46.9	28.5	Start 3491.3 hold at 758.9 MD	
4,250.2	4,145.5	-756.7	460.3	Start Drop -3.00	
4,709.1	4,600.0	-803.6	488.8	Start 3950.0 hold at 4709.1 MD	)
8,659.1	8,550.0	-803.6	488.8	TD at 8659.1	

#### STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM							
Operator:	XTO ENERGY INC.		Operator Account Number: N 2615				
Address:	382 CR 3100						
	city AZTEC						
	state NM	<sub>zip</sub> 87410	Phone Number: (505) 333-3100				

Wall 1

API Number	Well	Name	QQ	Sec	Twp	Rng	County
4304738553	RBU 23-19F		NENW	19	10S	20E	UINTAH
Action Code	Current Entity Number	New Entity Number	and the second	pud Da	<b>.</b>		tity Assignment Effective Date
KB	99999	7050		5/31/200	8	4	/19/08
Comments:		0111 = 5	. 11 , 1			-	

MURD=WSMUD BAL=SENW

Well 2

API Number	200	Well	Name	· QQ	Sec	Twp	Rng	County
Action Code		ent Entity umber	New En		Spud Da	te	En	 tity Assignment Effective Date
	Parities.	23.20.85.1495.9-7	ovelerilitis 201.					

API Number	Well N	lame	. QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Ent Numbe		Spud Dat	8		l tity Assignment Effective Date
Comments:			 	· · · · · · · · · · · · · · · · · · ·			

ACTION	CODEC	٠,
AL-III IN	LAUDES	١.

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- D Re-assign well from one existing entity to a new entity
- E Other (Explain in 'comments' section)

RECEIVED

JUN 02 2008

WANETT MCCAULEY

Name (Please Print) Signature 6/2/2008 **FILE CLERK** Date Title

(5/2000)



1. Type of Well

3a. Address

2. Name of Operator XTO ENERGY INC.

382 CR 3100, AZTEC, NM 87410

TYPE OF SUBMISSION

Final Abandonment Notice

Notice of Intent

✓ Subsequent Report

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

#### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE

✓ Gas Well 🗆

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

654' FNL & 3156' FWL NENW SEC 19-T10S-R20E, SLB&M

Acidize

Alter Casing

Change Plans

Casing Repair

	FORM APPROVED OM B No. 1004-0137 Expires: March 31, 2007
,	5. Lease Serial No.
	U 013769-A
	6. If Indian, Allottee or Tribe Name
	N/A
	7. If Unit or CA/Agreement, Name and/or No.
	RIVERBEND UNIT
	8. Well Name and No.
	RBU 23-19F
	9. API Well No.
	4304738553
	10. Field and Pool, or Exploratory Area NATURAL BUTTES
	11. County or Parish, State
	11. County of Parish, State
	UINTAH, UT
RI	EPORT, OR OTHER DATA
Sta	t/Resume) Water Shut-Off
	Well Integrity

✓ Other SPUD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleted. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

3b. Phone No. (include area code)

TYPE OF ACTION

Production (

Reclamation

Recomplete

Temporarily Abandon

505-333-3100

Fracture Treat

New Construction

Plug and Abandon

XTO Energy Inc. spudded 20" conductor hole @ 09:00 hrs, 5/31/2008 and drilled to 40'. Set 14" conductor csg @ 40' & cemented to surface w/5 yds Redimix cement.

Drilling ahead....

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)  WANETT MCCAULEY	Title	FILE CLERK
Signature Wantt McCauly	Date	06/02/2008
THIS SPACE FOR FEDERAL	OR STATE C	FFICE USE
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrar certify that the applicant holds legal or equitable title to those rights in the subject lear which would entitle the applicant to conduct operations thereon.		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)



JUN 0 6 2008



#### **UNITED STATES** DEPARTMENT OF THE INTERIOR

## BUREAU OF LAND MANAGEMENT

Expires July 31, 2010 5. Lease Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals. U 013769-A 6. If Indian, Allottee or Tribe Name

FORM APPROVED OMB NO. 1004-0137

				_N/A	
SUBMIT IN TRIPLICATE -	Other instructio	ns on page 2		7. If Unit or CA/Agreement, Name and/or N RIVERBEND UNIT	
1. Type of Well Oil Well X Gas Well Other 2. Name of Operator	4			8. Well Name RBU 23-19	
XTO Energy Inc. 3a. Address		3b. Phone No. (include an	rea code)	9. API Well 1	,
382 CR 3100 Aztec, NM 87410 4. Location of Well (Footage, Sec., T., R., M., or Survey Desci	rintian	505-3	33-3100	10. Field and	i Pool, or Exploratory Area
•	. 19-T10S-R201	E SLB&M		NATURAL B	
BHL: 1450' FNL & 2850' FEL SENW SEC	: 19-T10S-R201	E		11. County of	or Parish, State
12. CHECK APPROPRIATE BO	OX(ES) TO INI	DICATE NATURE OF 1	NOTICE, REP	ORT, OR OTH	IER DATA
TYPE OF SUBMISSION		TY	PE OF ACTION	٧	
Notice of Intent	Acidize	Deepen	Producti	ion (Start/Resume)	Water Shut-Off
X Subsequent Report	Alter Casing  Casing Repair	Fracture Treat  New Construction	Reclama Recomp		Well Integrity  X Other JUNE '08
Final Abandonment Notice	Change Plans  Convert to Injection	Plug and Abandon  Plug Back	Tempora Water D	arily Abandon risposal	MONTHLY REPORTING
13. Describe Proposed or Completed Operation (clearly star	te all pertinent detai	ils, including estimated start	ing date of any p	proposed work ar	nd approximate duration thereo

If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Attached is XTO Energy's monthly report for the period of 06/01/2008 thru 06/30/2008.

RECEIVED JUL 07 2008

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct Name (PrintedTyped)  WANETT MCCAULEY	Title FILE CLERK	
Signature Wanth Ma Caully	Date 07/01/2008	
THIS SPACE FOR FEI	DERAL OR STATE OFFICE USE	
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or cer the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	rtify that Office	
Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any pe	erson knowingly and willfully to make to any dep	artment or agency of the United States any false,

Susp rpts pending further activity.

6/11/08

#### Farmington Well Workover Report

RIVERBE	ND UNIT	Well # 023-19F	
Objective:	Drill & Complete		
First Report:	06/10/2008		
AFE:	717108		

First rpt for AFE # 717108 to D&C. MIRU Larose Const. STD Const of loc pad on 5/23/08. RDMO Larose Const 6/3/08.

**UINTAH** 

RBU 23-19F

LOCATION: T10S-R20E-S19

CONTRACTOR:

WI %

AFE#: API#

717108

43047385530000 DATE FIRST RPT: 6/1/2008

DATE: 6/1/2008

**OPERATION: DRILL & SET CONDUCTOR** 

DFS: MW:

Footage Made: VISC:

Measured Depth:

WOB: DMC:

RPM:

CMC:

DWC:

TIME DIST: (24.00) MOVE IN PETE MARTIN AND RIG UP, SPUD COND HOLE @ 9:00 A.M.. DRILL 20" CONDUCTOR TO 40', RAN 40"

OF 14" CONDUCTOR PIPE, CMT WITH 5 YARDS REDIMIX CMT.s

CMT TO SURF, DRILL AND SET RAT & MOUSE HOLE, CALLED IN SPUD TO STATE OF UTAH AND BLM..

DATE: 6/2/2008

OPERATION: Rig On RBU 18-19F (Pad Well) DFS:

1.63

Footage Made:

VISC:

MW: WOB:

DMC:

RPM:

CMC:

DWC:

Measured Depth:

Measured Depth:

Measured Depth:

Measured Depth:

CWC:

CWC:

CWC:

CWC:

TIME DIST: (18.00) Rig On RBU 18-19F (Pad Well).

DATE: **OPERATION:**  6/3/2008

Dig & Set Cellar Ring & Weld On Drilling Flange.

DFS:

2.88

Footage Made:

MW:

VISC:

WOB:

RPM:

DMC:

CMC: DWC:

TIME DIST:

(6.00) Drill & Set Rat & Mouse Hole. RDMO..

DATE:

OPERATION: Dig (Jack Hammering) & Set Cellar Ring. 3.88

DFS: MW:

Footage Made:

Footage Made:

VISC:

WOB: RPM:

DMC: CMC: DWC:

(14.00) Dig (Jack Hammering) & Set Cellar Ring. Had to bring in Trackhoe Jack Hammer... TIME DIST:

DATE: 6/5/2008

**OPERATION:** Dig (Jack Hammering) & Set Cellar Ring.

DFS: 4 88

MW:

VISC:

WOB: DMC: RPM:

CMC: DWC.

TIME DIST:

(18.00) Dig (Jack Hammering) & Set Cellar Ring. Jack Hammer broke down (Sheared bolts on Hammer). Repair Hammer.

Rained all day. Moving Drilling Rig from WHB 13-5H to RBU 23-19F...

DATE:

6/6/2008

OPERATION: Rigging Up Drilling Rig. 5.88

DFS:

Footage Made:

Measured Depth:

MW: WOB: VISC:

DMC:

RPM:

CMC:

DWC: CWC:

TIME DIST:

(9.00) Dig (Jack Hammering) & Set Cellar Ring. Weld on Drilling Flange on Conductor Pipe. Grade & Level Location lots of

mud.. (4.00) MIRU Unit 111 Drilling Rig from WHB 13-5H to RBU 23-19F. Both crews only working day shift only. RU Mats &

Set Subs.. (11.00) Rig On Idle. Crews OFF..

DATE:

6/7/2008

OPERATION: Rigging Up Drilling Rig.

DFS:

6.88

Footage Made: VISC:

Measured Depth:

MW: WOB:

RPM:

DMC:

CMC:

DWC-

CWC:

TIME DIST:

(14.00) MIRU Unit 111 Drilling Rig from WHB 13-5H to RBU 23-19F. Set Draw Tool, Set Derrick On Floor, Set Back Yard & 400

bbl Tanks. Rig Idle From 6:00 p.m. to 6:00 a.m.. (10.00) Rig On Idle. Both crews working day shift...

DATE:

6/8/2008

OPERATION: Rigging Up Drilling Rig.

DFS:

7.88

Footage Made:

Measured Depth:

MW:

VISC:

WOB:

RPM:

DMC:

CMC:

DWC:

CWC:

TIME DIST:

(12.00) RU Eye for slow decent. RU Yellow dog & fill Rig Pits. RU Flare Lines. RU Flow Line. RU Pop Off lines. Spool up Drilling Cable on Drum. 30 minute stress test on Derrick. Raise Derrick. Called Carol w/State Of Utah & Matt w/BLM on 6/6/08 @ 3:55 p.m. for Spud Surface on 6/7/08 @ 6:00 p.m.. (12.00) RU Kill Valve, HCR Valve, Choke Hose, Floor Plates, Stand Pipe Beaver Slide, Rotary Chain & Gaurd, Line Guide. PU Swivel. Change Packing in Swivel. PU Tongs, Kelly, Kelly Hose, Kelly

Spinners. Tighten Flange on Flow Line...

DATE:

6/9/2008

OPERATION:

Directional Drilling.

DFS:

8.88

Footage Made:

Measured Depth: 485

MW: WOR.

20

VISC: RPM:

445

103

DWC:

CWC: نل. اندرونے

DMC: TIME DIST:

CMC: (4.00) Rig Up Rig.. (1.50) PU Bit & Mud Motor.. (12.50) Drld 353' for 12.5 hrs @ 28.24 ft/hr.. (1.00) Service Rig (Change Out

Packing Swivel).. (1.00) Drld 14' for 1 hr @ 14 ft/hr.. (1.00) Rig Repair (Change Out Swivel Packing).. (3.00) Drld 78' for 6 hrs

@ 39.00 ft/hr.,

DATE: **OPERATION:** 

6/10/2008 DRILLING

DFS: 9.88

Footage Made: 1,057 Measured Depth: 1,542

Measured Depth: 2,215

MW:

**84** 20

VISC: RPM:

WOB:

DMC:

CMC:

DWC:

CWC:

(6.00) DRILL/F 485' TO 720'. (1.00) RIG SERVICE. (17.00) DRILL/F 720' TO 1542'. TIME DIST:

DATE: DFS:

6/11/2008

R/D CASERS & R/U CEMENTERS OPERATION: 10.88

Footage Made: 673

VISC: 26

MW: WOB: DMC: 8.5 20

RPM: CMC: 103

103

DWC:

CWC:

TIME DIST:

(10.00) DRILLED F/1542 TO 2067 @ 52.5FT/HR WOB = 45K RPM =55 GPM = 645. (0.50) RIG SERVICE. (3.50) DRILLED F/2067 TO 2215 @ 49.33FT/HR WOB = 45K RPM =55 GPM = 645. (1.00) CIRCULATE & CONDITION HOLE FOR CASING, PUMP 2 HIGH VIS SWEEPS. (5.00) TOH TORUN 9 5/8 CASING, STAND DRILLPIPE & HEAVYWEIGHT IN DERRICK, L/D COLLARS & DIRECTIONAL TOOLS. (1.00) SAFETY MEETING & R/U CASING CREW. (3.00) RUN 9 5/8 36LB J-55 CASING TO 2174.

DATE:

6/12/2008

OPERATION: DFS:

**TESTING BOP** 

11.88

Footage Made:

Measured Depth: 2,215

MW: WOB: VISC:

DMC:

RPM:

DWC:

CWC:

CMC:

TIME DIST:

(1.00) LAND 9 5/8 CASING. (2.50) CIRCULATE WHILE S/M & R/U CEMENTERS. (4.00) CEMENT 9 5/8 CASING SET @

2174. GOT CEMENT TO SURFACE. (10.00) N/D DIVERTER, SPOT & N/U BOPS. (6.50) TESTING BOP.

DATE:

6/13/2008

OPERATION: DRILLING AHEAD DFS:

12.88

510 Footage Made:

Measured Depth: 2,725

MW: WOB: 8.6 20

VISC: RPM:

26 103

DWC:

CWC:

DMC:

CMC:

TIME DIST: (4.00) WORK ON BOP. (1.00) RETEST PIPE RAMS, R/D TESTERS. (1.50) P/U DIRECTIONAL TOOLS AND WEIGHTPIPE

(2.50) TIH TO 1138. (0.50) RIG SERVICE. (2.00) WORK ON BOP. (1.50) TIH TO 2040, KELLY UP. (3.00) WAIT ON WELDER, REPAIR FLOWLINE. (0.50) TIH, TAG CEMENT @ 2124. (1.50) DRILL CEMENT, FLOAT COLLAR & SHOE. (5.50)

Drilled 510'. (0.50) ACCUMULATED SURVEYS.

DATE:

6/14/2008

OPERATION: Drilling Ahead Rotary & Sliding f/4135'.

DFS: 13 88 MW:

Footage Made:

Measured Depth: 4,135

Measured Depth: 5,607

WOB:

8.5 20

VISC: RPM: 26

1,410

DMC:

103

CMC: DWC:

TIME DIST:

(10.00) Drilling Ahead Rotary & Sliding. Drld 682' for 10 hrs @ 68.20 ft/hr.. (0.50) Rig Service.. (13.50) Drilling Ahead Rotary &

Sliding. Drld 728' for 13.50 hrs @ 53.93 ft/hr..

DATE:

6/15/2008

OPERATION: Drilling Ahead Rotary & Sliding f/5607'.

DFS: 14.88

Footage Made:

8.5

VISC:

1,472 26

MW: WOB: 20

RPM: 103

DWC:

CWC: UUL GOTH.

CWC:

DMC: TIME DIST:

CMC: . \_ . . . . . . . . . (10.00) Drilling Ahead Rotary & Sliding. Drld 598' for 10 hrs @ 59.80 ft/hr.. (0.50) Service Rig.. (13.50) Drilling Ahead Rotary &

Sliding. Drld 874' for 13.5 hrs @ 64.74 ft/hr..

DATE:

6/16/2008

25

OPERATION: Drilling Ahead Rotary f/6898'.

DFS: MW: 8.5

15.88

Footage Made: VISC:

1.291 26

WOB:

RPM: 124

DMC:

CMC: DWC: CWC:

Measured Depth: 6,898

Measured Depth: 7,820

Measured Depth: 8,085

(11.00) Drilling Ahead Rotary & Sliding. Drld 675' for 11.0 hrs @ 61.36 ft/hr.. (0.50) Service Rig.. (6.50) Drilling Ahead Rotary. TIME DIST:

Drld 309' for 6.5 hrs @ 47.54 ft/hr.. (0.50) Service Rig.. (5.50) Drilling Ahead Rotary. Drld 307' for 5.5 hrs @ 55.82 ft/hr..

DATE:

6/17/2008

OPERATION: Drilling Ahead Rotary f/MD 7820' TVD 7714'.

DFS: MW:

16.88

Footage Made: 922

26

8.5 VISC: 25 RPM:

WOB: DMC:

124

CMC:

DWC:

TIME DIST:

(10.00) Drld 430' for 10 hrs @ 43.00 ft/hr.. (0.50) Service Rig.. (13.50) Drld 492' for 13.5 hrs @ 36.44 ft/hr..

DATE:

6/18/2008

OPERATION:

DFS:

TIH w/new Bit & Mud Motor. 17.88

MW:

9

Footage Made: 265 VISC:

31

124

WOB: 30 DMC:

RPM:

CMC:

DWC:

CWC:

CWC:

(9.50) Drld 265' for 9.5 hrs @ 27.89 ft/hr.. (1.00) Circulate for Bit & Mud Motor Trip.. (1.00) TOOH LD Weatherford Directional TIME DIST:

Tools & Bit. (1.50) Trouble Shoot Bop's Pipe Rams W/ Weatherford. (3.00) PU New Bit, Mud Motor & Drill Collars. TIH To

2317' .. (1.50) Cut & Slip Drill Line 30 Wraps.. (0.50) TIH...

DATE:

6/19/2008

OPERATION: TOOH For Open Hole Logs.

DFS: 18.88 Footage Made:

Measured Depth: 8,656

MW:

9.2

VISC:

33 121

25 RPM:

WOB: DMC:

DWC: CMC:

571

CWC:

TIME DIST: (4.00) TIH to 8085'.. (1.50) Drid 47' for 1.5 hrs @ 31.33 ft/hr.. (1.00) Repair #1 Mud Pump.. (13.50) Drid 524' for 13.5 hrs @

38.81 ft/hr.. (1.50) Circulate.. (2.50) TOOH for Open Hole Logs...

DATE:

DFS:

6/20/2008

OPERATION:

LD Pipe & BHA to Run Casing.

Footage Made:

Measured Depth: 8,687

MW:

9.3

VISC:

34

WOB:

25

RPM:

121

DMC:

CMC:

DWC:

CWC:

TIME DIST:

(3.50) TOOH For Open Hole Logs.. (8.00) Run Open Hole Logs w/Baker.. (3.00) Repair BOP's w/Weatherford.. (6.50) TIH To

8656'. (1.50) Drilled f/8656' to 8687' for Rat Hole.. (1.50) RU LD Crew & Circulate Hole Clean..

DATE:

6/21/2008

DFS: 20.88

OPERATION: RD Rig To Skid To RBU 18-19F. Footage Made: 0

VISC:

Measured Depth: 8,687

MW:

WOB: DMC: RPM: CMC:

DWC:

CWC:

TIME DIST:

...,004.01 (0.50) Circulate.. (8.50) TOOH LD Pipe & BHA.. (0.50) Pull Wear Bushing.. (8.50) Run 5.500" Seah 80 17# LT&C Production Casing to 8650.89' MD 8544.52' TVD.. (6.00) Cmt Prod. Csg. w/278 sks of Lead Cmt, 880 sks of Tail Cmt & Displace w/199.50

bbls Treated 2% KCL Water...

DATE:

6/21/2008

**OPERATION:** Rig Released @ 06:00 P.M. (1800 HRS) On 6/21/08

DFS:

21.38

Footage Made: 0

Measured Depth: 8,687

MW:

VISC:

TIME DIST:

RPM:

WOB: DMC:

CMC; DWC: CWC: (1.00) RD Halliburtion.. (11.00) Rig Down Rig To Skid Rig To RBU 18-19F. Rig Released @ 06:00 p.m. (1800 HRS) on

# 43.647.36553 19 105 20e HALLIBURTUR

# Cementing Job Summary

Sold To #: 35			11	ie Roau	to Ex	cenenc	e Sta	rts wi	tn Sa	arety							
	3810		Ship To	#: 26586	307		Quot	te #:				S	ales	Orde	r#: 59	744	23
Customer: X7	TO ENER	GY INC	EBUSIN	ESS			Cust	omer	Rep	: OMA	N, RI	CK					
Well Name: R					Vell #	: 23-19	F				AP	I/UW	1#:				
Field:		Cit	y (SAP):			Count		ish: U	intah	)		5	State:	Utah			
Contractor: \	INIT	10.00	, (-, ., ,.	Rig/Pla													
Job Purpose:		Produc	tion Casi				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,										
			MOII Casii	Job Ty	no: C	omont	Drodu	ction (	`aeir	30						-	
Well Type: De											ADILL	n =-	#.	2202	72		
Sales Person	: KRUGE	ER, RUI	SEKI	Srvc Sı					CIV		NBU I	U EII	ıp #.	2393	12		
				T		Job Pe				<b>"</b> [		<u> </u>			F		F #
HES Emp		Exp Hrs				Name		p Hrs					p Nan	ne	Exp		Emp #
DEARING, KE	EN A	12.0	239372	IMPELL			12	2.0	4468		VAN V ANTH				12.0	'	447525
1/4701)57.14	ADIO	40.0	438030	MATTH WALLA				2.0	4080		ANID	JIVI .			+		
VAZQUEZ, M.	ARIO	12.0	436030	VVALLA	CE, I				4000	000			·		J		
							pmen								1		
HES Unit #	Distance-	1 way	<b>HES Unit</b>	# Dist	ance-	1 way	HES	Unit :	# C	)istanc	e-1 wa	у	HES U	nit#	Dis	tanc	e-1 way
						Job	Hours	3									
Date	On Locati	on Op	erating	Date		On Loc	ation	Ope	eratin	g	Dat	te	1	Locat	1	•	erating
	Hours		lours			Hou		Н	lours				-	Hours		<u></u>	lours
06-20-2008	3.5		0	06-21-20	800	8.5			3								
TOTAL							Total is	the su	ım of	each c	olumn	<del></del>					
			Job					<u> </u>				Job	Time	,			
Formation Nan	ne							L				Date		Tir			ne Zone
Formation Dep	th (MD)	Гор		Bott	om			Called	d Out	t	20	Jun – :	2008	17:			MST
Form Type			BHS	T				On Lo	catio	on		Jun - :		20:			MST
Job depth MD	1	8775. ft	Job	Depth TV	D	870	0. ft	Job S	tarte	d		Jun - :		03:			MST
Water Depth			Wk F	t Above	Floor	5.	ft	Job C	omp	leted	21 - 、			06:			MST
Perforation De	pth (MD)	rom		То				Depar	ted l	_oc	21	Jun - :	2008	08:	30		MST
						Well	Data										
Description	New /	Max	k Size	ID	Wei	ght	Th	read		Gr	ade	Top	MD	Botto		op	Bottom
•	Used	press	ure in	in	lbm	/ft						f	t	MD	1	۷D	TVD
		psig	3											ft		ft	ft
7 7/8" OPEN HOLE SECTION	J			7.875								217	74.	8687	. 21	74.	8687.
PRODUCTION			5.5	4.296	17	7.								8650.	9		8650.9
CASING																	0474
SURFACE	Unknov	W	9.625	8.921	36	5.						-		2174	•	•	2174.
CASING	n			<u></u>	L		- m -										
					ales/i	Rental/	3'" Pa	rty (H	ES)								
			Descri	ption						Qty			Dep	th	S	upp	lier
SUGAR - GRAN	IULATED									10	L						
	,1 GAL CN	NTNR								1	E						
		WE.4.38	MIN/5.09	MA						1	E						
BLCH,CLOROX PLUG,CMTG,TC	OP,5 1/2,H			CD.						30	E	Α					
			OLE, HING	<b>ラビレ</b>													
PLUG,CMTG,TC CTRZR ASSY,5	1/2 CSG	X 7 7/8 F								1	E	A					
PLUG,CMTG,TC CTRZR ASSY,5 SHOE,FLOAT,5	1/2 CSG . 1/2 8RD,2	X 7 7/8 H 2 3/4 SU	PER SEAL							1	E						
PLUG,CMTG,TC CTRZR ASSY,5 SHOE,FLOAT,5 CLR,FLT,5-1/2 8	1/2 CSG 1/2 8RD,2 3RD,14-23	X 7 7/8 H 2 3/4 SU PPF,2-3	PER SEAL /4									Α					
PLUG,CMTG,TC CTRZR ASSY,5 SHOE,FLOAT,5	1/2 CSG 1/2 8RD,2 3RD,14-23 - 5-1/2 - H	X 7 7/8 H 2 3/4 SU PPF,2-3	PER SEAL /4			CEIV	/EN			1	E	A A					

JUL 0 8 2008

DIV. OF OIL, GAS & MINING

Summit Version: 7.20.130 Saturday, June 21, 2008 06:59:00

## HALLIBURTON

# Cementing Job Summary

							Tool	s and	Acces		· · · · · · · · · · · · · · · · · · ·			r			T	
Ту	pe	Size	Qty	Make	Depth	Туре	Siz	e Q	ity M	ake	Depth		Туре	Size	-	Qty	Ma	
Guide	Shoe					Packer					-	Top		5.5		1	HE	ES
Float S	Shoe	5.5	1	HES	8650.89	Bridge Plug					.,		om Plug			44.04	ļ	
Float (	Collar	5.5	1	HES	8602.8	Retainer							plug set				<u> </u>	
Insert	Float												Container			1	HE	
Stage	Tool											Cent	ralizers	5.5		30	HE	-5
								ellane	ous Ma						1-4	<del></del> .		-
Gellin	g Agt			Co	nc	Surfac				Con			Туре		Qty		Conc	%
Treatn	nent F	ld		Co	nc	Inhibit	or			Con	<u> </u>	Sand	i Type		Size		Qty	L
								Flui	d Data	.,	·							
SI	age/P	lug #	: 1										······································					
Fluid	Sta	ge Ty	ре		Flu	id Name			Qty	Qty		xing	Yield	Mix	Rat		otal M	
#										uon		nsity	ft3/sk	Fluid	bbl/n	nin  Fit	id Ga	il/SI
		· · · · · · · · · · · · · · · · · · ·								<b></b> _		n/gal		Gal/sk	5.0	<del>,  </del>		
1		FLUS		MUD FL	.USH III -	SBM (52878	(8)		20.00	bb		3.4	.0	0	5.0		-	
2	3% K	CL Wa							10.00	bb		.48	.0	.0			40.42	
3	Lead	Ceme	nt			IGHT PREM	IIUM	PLUS	278.0	sack	<b>(S</b> )	11.	3.1	19.12	5.0	<b>'</b>	19.12	•
				- SBM (1		14 /4000000	201			<u></u>		i			<u> </u>			
	2 '					LK (1000036	02)											
	0.125					101216940)		01/ /4	0004000									
	3 lb					MPACTED, 5	O LB	SK (1	0001222	(3)								
	19.11		,		WATER					T		<u> </u>	1.49	7.14	5.0		7.14	
4	Tail ( TYPE '	Cemen V	t	POZ PR	EMIUM 5	0/50 - SBM (	(1230	)2)	880.0	sack	3 1	3.4	1.49	7.14	5.0		7.14	
	0.2	%		WG-17,	50 LB SK	(100003623	3)											
	0.75	5 %		HALAD(	R)-322, 5	0 LB (100003	3646)											
	3 9	%		POTAS	SIUM CHL	ORIDE 7% (	(1000	01585	)									
	0.125	i lbm				101216940)												
	3 lb	m		SILICAL	ITE - CO	MPACTED, 5	0 LB	SK (1	0001222	3)								
	7.137	' Gal		FRESH	WATER										.,			
5	3% K	CL							199.50	bbl	8	.48	.0	.0	5.0	)		
	Displa	cemer	nt							<u> </u>					<u></u>	Ĺ		
Cá	alcula	ted Va	alues		Pres	sures							olumes					
Displa	cemer	nt	199.5	5 Shu	t in: insta	ant 3000	L	ost Re	turns	0		nent S		387			-	
Top O	f Ceme	ent	1874			3000			Return				splaceme			atment		
Frac G	radier	nt		15 N	1in		S	pacen		0	Loa	d and	Breakdow	n j	rot	al Job		
								R	ates								4.5	
Circu	lating	Τ	4		Mixing		6		Displa	ceme	nt	3.5		Avg. J	ob	1	4.5	
	ent Le		ipe	Amount	48.12 ft	Reason St	noe J									1	<u> </u>	
	Ring #			D	Frac ring	#2@	ID		Frac Ri			JE	) Fi	ac Ring	#4@	![	ID	
			tion	Stated	Herein	ls Correct		Custom	er Repres	entative	Signatu	re	M	MEN	. (			

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DIV. OF OIL, GAS & MINING

Summit Version: 7.20.130 Saturday, June 21, 2008 06:59:00

#### HALLELFICN

# Cementing Job Summary

The Road to Excellence Starts with Safety Sales Order #: 0 Ship To #: UNKNOWN Quote #: Sold To #: 353810 Customer Rep: Customer: XTO ENERGY INC EBUSINESS APIUWI #: Well #: 17-7-2-31D Well Name: ZIONS FEDERAL State: City (SAP): UNKNOWN County/Parish: Field: Job Purpose: Cement Production Casing Job Type: Cement Production Casing Well Type: Producing Well Srvc Supervisor: MOORE, JACK MBU ID Emp #: 434804 Sales Person: KRUGER, ROBERT Job Personnel **HES Emp Name** Exp Hrs Emp# **HES Emp Name** Exp Hrs Emp# **HES Emp Name** Exp Hrs Emp # PAY, THOMAS Darrell 331893 9 434804 MOORE JACK Owen ARGUMEDO, JACOB 329409 Equipment Distance-1 way HES Unit # HES Unit # Distance-1 way HES Unit # Distance-1 way HES Unit # Distance-1 way Job Hours Operating On Location On Location Operating Date Date On Location Operating Date Hours Hours Hours Hours Hours Hours 6-28-08 Total is the sum of each column separately TOTAL Job Times Job Time Zone Date **Time** Formation Name MST Called Out 28 - Jun - 2008 05:00 Bottom Formation Depth (MD) Top 11:45 MST On Location 28 - Jun - 2008 BHST Form Type MST 28 - Jun - 2008 17:00 Job Started 555. ft Job Depth TVD 5150 ft Job depth MD MST 28 - Jun - 2008 21:00 Job Completed Wk Ht Above Floor 3. ft Water Depth MST 28 - Jun - 2008 21:00 Departed Loc Perforation Depth (MD) From To Well Data Bottom Top MD Bottom Top Grade ID Weight Thread Max Size New / Description TVD TVD MD lbm/ft Used pressure in in ft ft ft psia 2076. 5150. 2076. 5150. 6.75 6 3/4" PRODUCTION OPEN HOLE 46540. 5509. 5.5 4.67 23 New 5 1/2" PRODUCTION CASING 2076. 2076. 7.625 6.875 29.7 7 5/8" Unknow INTERMEDIATE n CASING Sales/Rental/3rd Party (HES) Supplier Qty uom Depth Qty Description EA PLUG, CMTG, TOP.5 1/2, HWE, 4.38 MIN/5.09 MA **Tools and Accessories** Make Size Qtv Make Depth Type Type Size Qtv Make Depth Size Qty Type Top Plug Packer Guide Shoe **Bottom Plug Bridge Plua** Float Shoe SSR plug set Retainer Float Collar Plug Container Insert Float Centralizers Stage Tool Miscellaneous Materials Conc % Qty Conc Acid Type Surfactant Conc Gelling Agt Qty Size Conc Sand Type Inhibitor Conc Treatment Fld

JUL 0 8 2008

## HALLEURTON

# Cementing Job Summary

						Flu	id Data						
S	tage/Plug	#: 1											
Fluid #	Stage T			Fluid N	lame		Qty	Qty uom	Mixing Density Ibm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	
1	VariCem	V1	VAF	RICEM (TM) CEM	ENT (45200	9)	80.0	sacks	10.5	4.13	26.34	5.0	26.34
	5 lbm		GIL:	SONITE, BULK (1	00003700)								
	2 lbm		GR/	ANULITE TR 1/4,	50 LB SK (1	0006407	<b>'3</b> )						
	0.125 lbm		POL	Y-E-FLAKE (1012	216940)								
	26.343 Ga	ı	FRE	SH WATER									F
2	VariCem	V1	VAF	RICEM (TM) CEM	ENT (45200	9)	180.0	sacks	13.5	1.74	8.4	5.0	8.4
	5 lbm			SONITE, BULK (1									
	2 lbm		GR/	WULITE TR 1/4,	50 LB SK (1	0006407	'3)						
	0.125 lbm		POL	Y-E-FLAKE (1012	216940)				40.0				
	8.404 Gal		FRE	SH WATER					T			1 0	I
3	WATER DISPLACE	MENT					109.11	bbi	8.33			.0	
Ca	alculated	Values	;	Pressu	res					olumes	<u> </u>		
	cement			Shut In: Instant		Lost Re		ļ	Cement S			Pad	
	f Cement			5 Min		1	t Returns	<u> </u>	Actual Di			Treatn Total	
	iradient			15 Min		Spacer	<u> </u>	<u> </u>	Load and	Breakoo	AND	Total	JOB
Rates	· · · · · · · · · · · · · · · · · · ·	·		late :			Diantaga	monf	T	<u>-</u>	Avg. J	oh	
Circula				Mixing	seen Char	Joint	Displace	// <del>U</del> IR			Avg. o	OD	
	nt Left In Pip		D D	ount 16.93 ft Rea		_	Frac Ring	#30	ID.		Frac Ring #	4@	ID
Tac R	ing # 1 @	1 1		FIGE THIS # 2					entative S				<del>, t t</del>
The I	nformatio	n State	ed H	lerein Is Correc	t	Cust		////	h	~			

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DIV. OF OIL, GAS & MINING

#### HALLEUSTON

COLLAR-STOP-9 5/8"-FRICTION-HINGED

Summit Version: 7.20.130

KIT, HALL WELD-A

CENTRALIZER-9-5/8"-CSG-12 1/4"-HINGED

# Cementing Job Summary

The Road to Excellence Starts with Safety Sales Order #: 5985837 Sold To #: 353810 Ship To #: 2662258 Quote #: **Customer: XTO ENERGY INC EBUSINESS** Customer Rep: API/UWI #: Well #: 17-15E Well Name: RIVER BEND UNIT State: Utah Field: NATURAL BUTTES City (SAP): UNKNOWN County/Parish: Uintah Job Purpose: Cement Intermediate Casing Job Type: Cement Intermediate Casing Well Type: Development Well MBU ID Emp #: 342843 Srvc Supervisor: ANDERSON. Sales Person: KRUGER, ROBERT BENJAMIN Job Personnel Emp# **HES Emp Name** Exp Hrs Emp# **HES Emp Name** Exp Hrs **HES Emp Name** Exp Hrs Emp# JOHNSON, STANLEY 446116 342843 JANES, WILLIAM C 11 194079 16.5 16.5 ANDERSON. BENJAMIN L 258213 16.5 361436 STILL MICHEAL 16.5 446659 SHAVER, SCOTT L 16.5 KANIA, JARED A Wayne 438030 VAZQUEZ MARIO 16.5 Equipment **HES Unit #** Distance-1 way **HES Unit #** Distance-1 way **HES Unit #** Distance-1 way Distance-1 way **HES Unit #** 10897817 50 mile 10719779 50 mile 50 mile 10624106 10574660C 50 mile 10994447 50 mile 10991613 50 mile 10991611 50 mile 10948689 50 mile 50 mile 11071474 11056349 50 mile Job Hours On Location Operating Operating Date On Location Operating Date On Location Date Hours Hours Hours Hours Hours Hours 3.5 16.5 Total is the sum of each column separately TOTAL **Job Times** Job Time Zone Date Time Formation Name 28 - Jun - 2008 17:00 MST Called Out Bottom Formation Depth (MD) Top 21:00 MST 28 - Jun - 2008 BHST On Location Form Type 06:49 MST 3500. ft Job Started 29 - Jun - 2008 3500. ft Job Depth TVD Job depth MD 29 - Jun - 2008 10:30 MST Job Completed Wk Ht Above Floor 4. ft Water Depth MST 13:30 29 - Jun - 2008 Departed Loc To Perforation Depth (MD) From Well Data Top MD Bottom Bottom Top Thread Grade ID Weight Description New / Max Siza **TVD** MD **TVD** Used pressure in in lbm/ft ft ft psig 3500. 40. 12.25 12 1/4" Open Hole 40 40. 54.5 12.615 13.375 New 13 3/8" Surface 8 RD J-55 3500. 36. 8.921 New 9 625 9 5/8" Intermediate Sales/Rental/3<sup>rd</sup> Party (HES) Supplier Qty uom Depth Description 1 EA PLUG, CMTG, TOP, 9 5/8, HWE, 8.16 MIN/9.06 MA 1 FA SHOE, GID, 9-5/8 8RD EA 1 CLR, FLT, 9-5/8 8RD 29.3-40PPF, 2-3/4 1 ΕA

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15

2

JUL 0 8 2008

Sunday, June 29, 2008 12:35:00

DIV. OF OIL, GAS & MINING

## HALLBURTON

Summit Version: 7.20.130

# Cementing Job Summary

						-	<b>Fools</b>	and Acc	essor	ies								
Ту	ne	Size	Qty	Make	Depth	Type	Size	Qty	Make	e De	epth		Туре	Si	ze	Qty	M	<u>ake</u>
Guide		0,12,0				Packer						Top F						
Float S						Bridge Plug							m Plug					
Float (						Retainer							plug set					
nsert													Containe	r				
Stage												Centi	ralizers					
		L		1		N	lisce	laneous	Mater	ials								
Gelling	a Aat		T	Co	nc	Surfac	tant		C	onc			Туре		Qty		Conc	: %
	nent F	ld	1	Co	nc	Inhibit	or			onc		Sand	l Type		Size		Qty	
								Fluid Da	ıta							<del></del>		
St	age/P	lug #:	1								<u></u>				<del></del>			
Fluid #		ge Typ			Flu	iid Name		Qt	- ;	Qty Jom	Den	ing isity	Yield ft3/sk	Mix Fluid	i bbi/		Total   Fluid G	
"											<del></del>	/gal		Gal/s		_ +		
1	Gel V	Vater						20.0	00   1	bbl	8	.4	.0	.0	5.	U.		
	W/Poly	y-E Ah	ead								45	_	4.14	26.0	3 5.	<u>_</u>	26.0	3
2	Lead	Ceme		1000122	229)	RD TYPE III -		400		acks		).5	4.14	20.0	, J.			
············	94 I	bm		CMT - S	TANDAR	D TYPE III -	FINE ,	BULK (10	00122	29)								
	2 9	%				00 LB BAG (1	00005	5051)										
	2 9	%				0001580)												
	0.3	%				B SK (10000	7865)											
	0.125	lbm		POLY-E	-FLAKE (	101216940)												
	10 1	bm		GILSON	ITE, BUL	K (10000370	0)											
	26.03	Gal		FRESH	WATER						τ				<u> </u>	<u> </u>	F 0/	
3	Tail (	Cemen		1000036	384)	RD CEMENT		250	- 1	acks		5.6	1.2	5.26	5.	.0	5.26	<b>,</b>
1	94 1	bm		CMT - S	TANDAR	D - CLASS A	REG	OR TYPE	I, BUL	K (10	0003	684)						
	2 9			CALCIU	M CHLO	RIDE - HI TE	ST PE	LLET (100	00505	3)								
	0.125	ibm				(101216940)					ν.							
	5.258				WATER						.,							
4		laceme	ent					267.	.00	bbl	8.	34	.0	.0	5.	.0		
5		Out Si	de	400003	188	RD CEMENT		150		acks		5.6	1.21	5.28			5.28	3
	94 1	bm		CMT - S	TANDAR	D - CLASS A	REG	OR TYPE	I, BUL	K (10	0003	684)						
	3 (			CALCIU	M CHLO	RIDE - HI TE	ST PE	LLET (100	00505	3)							.,	
	0.125					(101216940)												
	5.275		1		WATER													
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	f Ceme			5 M			Ce	ement Ret	urns				splacem			eatm		
	radier			15 N	1in		Sp	oacers			Load	and	Breakdo	wn	To	tal J	ob	
								Rates								<del>_,</del> _		
Circu	lating	T			Mixin				placer	ment				Avg	. Job			
		eft In P	ipe	Amoun			noe Jo				<b></b>						1.5	
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						is Correct		ustome/Re	present	tyle/3	gnatur	re						

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Summit Version: 7 20 130

# Cementing Job Summary

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Sold To #:						: 266190	67			uote i						Sales	Ora	er#	: 59838	319
Customer:	XTO	ENER	GY INC	EBUS	INE					uston	ner l	Rep	:		T					
Well Name	: RBL	J			<u>.</u>			<b>#: 18-</b> 1				***			API/U\					
Field:						NKNOW	N	Cou	nty/P	arish	: Uii	ntah	<u> </u>			State	: Uta	h		
Job Purpo																				
Well Type:	Deve	lopme	nt Well			Job Typ														
Sales Pers	on: k	<b>(RUGE</b>	ER, RO	BERT		Srvc Su	per					CK	<u> </u>	ME	BU ID E	mp #:	434	804		
										onnel								- ,		
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ARGUME	00, JA	COB	15	32940	19	MOORE,				15		4348		Si	<b>EVENS</b>	MICH	ALL	[_	15	448174
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10948687	50	mile		11023	06	50 mile	9		1'	106223	34	5	0 mile		ļ.			- {		
	<u> </u>							Jo	b Ho	urs										
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<u> </u>				Job			·								Date	b Time		ime		ne Zone
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Form Type Job depth M	ID.		2270. ft			epth TVD	<del></del>		270. f			tarte			26 - Jun -			5:00		MST
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Perforation	Depth	(MD)	rom			То		L				ted L								
0.10.0	<u> </u>	(···-/ j						W	ell Da	ata										
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9 5/8"	200	New			625	8.921		6.		8 RI	)		J-	-55	5		227	0.3		1
Intermediate						}														
						Sa	les	/Renta	1/3 <sup>rd</sup>	Party	(HE	ES)								
				Des	scrip	tion							Qty	'	Qty uom	) Dep	oth		Supp	lier
PLUG, CMTG	, TOP,	9 5/8,H	WE,8.1	6 MIN/9.	06 M	1A							1		EA					
SHOE,GID,9	-5/8 8F	RD											1	$\perp$	EA					
COLLAR-ST	OP-9 5	/8"-FR	ICTION-	HINGE	)								1		EA					
CLR,FLT,9-5	/8 8RE	29.3-4	10PPF,2	-3/4									1		EA					
KIT, HALL WE	LD-A												1	I	EA					
CENTRALIZE	R-9-5	/8"-CS	G-12 1/4	I"-HING	ED								15		EA					
·····			<u> </u>				Too	ols and	Acc	esso	ries	;								
Туре	Size	Qty	Make	Depth		Туре	S	ize (	Qty	Mak	e I	Dep	th	•	Туре	S	ize		Qty	Make
Guide Shoe				1		cker							Top							
loat Shoe					Bri	dge Plug									m Plug					ļ
loat Collar					Ret	ainer									olug set			-		
insert Float					1		<u> </u>								Containe	er		-		
Stage Tool		1	1	l	1		1	1		1	1		Cer	ıtr	alizers	1		1		

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Thursday June 26 2008 19:28:00 JUL 0 8 2008

## 

# Cementing Job Summary

					Mis	cellane	eous Ma	terials						
Gelli	ng Agt		Conc	5	Surfacta	nt		Conc		Туре		Qty	Cond	: %
Treat	ment Fld		Conc	//	nhibitor			Conc	Sand	і Туре		Size	Qty	
						Flui	id Data							
5	Stage/Plug													
Fluic #	Stage -	Туре	Flu	iid Nam	ne		Qty	Qty	Mixing Density Ibm/gal	Yield ft3/sk	Mix Fluid Gai/sk	Rate bbi/min	Fluid G	
1	Gel Wate	-					20.00	bbl	8.4	.0	.0	5.0		
2	Lead Cer	ment	CMT - STANDAR (100012229)				220.0	sacks	10.5	4.14	26.03	5.0	26.0	)3
	94 lbm	<del></del>	CMT - STANDAR	D TYPE	III - FIN	IE , BULI	K (100012	2229)						
	2 %		CAL-SEAL 60, 10	0 LB BA	AG (1000	005051)								
	2 %		ECONOLITE (100	0001580	0)									
	0.3 %		VERSASET, 50 L	B SK (1	0000786	i5)								
	0.125 lbm	1	POLY-E-FLAKE (	1012169	940)	· · · · · · · · · · · · · · · · · · ·								
	10 lbm		GILSONITE, BUL	K (1000	03700)									
	26.03 Gal		FRESH WATER			****								
3	Tail Ceme	ent	CMT - STANDAR (100003684)				250.0	sacks	15.8	1.17	5.0	5.0	5.0	i
	94 ibm		CMT - PREMIUM	- CLAS	SGRE	OR TY	PE V, BU	LK (100	003685)					
	2 %		CALCIUM CHLOF	RIDE - H	II TEST	PELLET	(1000050	053)						
	0.125 lbm		POLY-E-FLAKE (	1012169	940)									
	4.998 Gal		FRESH WATER											
4	Displacer	ment					174.334	bbl	8.34	.0	.0	5.0		
5	Top Out S	Side	CMT - STANDAR (100003684)				200.0	sacks	15.6	1.21	5.28		5.2	В
	94 lbm		CMT - STANDARI						0003684)					
	3 %		CALCIUM CHLOR			PELLET	(1000050	)53)						
	0.125 lbm	1	POLY-E-FLAKE (	1012169	940)									
	5.275 Gal		FRESH WATER											
С	alculated \	Values	Pres	sures						olumes				
	cement		Shut In: Insta	Lost Re			Cement Sl			Pad				
	of Cement						ent Returns Actual Displacement Trea							
	Gradient		15 Min			Spacer	S		Load and	Breakdow	/n	Total	OD	
ates			la di				Disaster		Т.		A			
ircula	<b>-</b>		Mixing	10	- CL		Displacer	nent			Avg. Jo	מכ		
	nt Left In Pip		Amount 48.15 ft		n Snoe	Joint	Frac Ring	. # 2.4	ID	T Er	ac Ring #	400	ID	
rac F	Ring # 1 @	1 1	D Frac ring	# 2 @	IL	70	riac King	# O W				7 (4)	טון	
he l	nformatio	n State	ed Herein Is Co	rrect		Custo	oner Re	Sicol	ntative 9	AN _	<del>-</del>			

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Thursday June 26 2008 19:28:00

DIV. OF OIL, GAS & MINING



### **UNITED STATES** DEPARTMENT OF THE INTERIOR

# BUREAU OF LAND MANAGEMENT

5. Lease Serial No.

U 013769-A

FORM APPROVED OMB NO. 1004-0137

Expires July 31, 2010

#### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to a abandoned well. Use Form 3160-3 (APL	6. If Indian, Allottee or Tribe Name	
SUBMIT IN TRIPLICATE - Other instr	ructions on page 2	7. If Unit or CA/Agreement, Name and/or N RIVERBEND UNIT
1. Type of Well Oil Well X Gas Well Other  2. Name of Operator		8. Well Name and No.  RBU 23-19F
XTO Energy Inc.  3a. Address  382 CR 3100 Aztec, NM 87410	3b. Phone No. (include area code) 505-333-3100	9. API Well No.  4304738553  10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  SHL: 654' FNL & 3156' FWL NERW SEC 19-T10S-BHL: 1450' FNL & 2850' FEL SERW SEC 19-T10S-	-R20E SLB&M	NATURAL BUTTES  11. County or Parish, State
12. CHECK APPROPRIATE BOX(ES) TO	) INDICATE NATURE OF NOTICE, I	UNITAH UT REPORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACT	TION
Notice of Intent  X Subsequent Report  Final Abandonment Notice  Acidize  Alter Casin  Casing Rep  Change Plat  Convert to	ng Fracture Treat Recognition Recognition Plug and Abandon Ten	duction (Start/Resume)  Water Shut-Off  Well Integrity  Complete  X Other JULY '08  MONTHLY REPORTING

Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.) 13.

Attached is XTO Energy's monthly report for the period of 7/01/2008 thru 7/31/2008.

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DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)  WANETT, MCCAULEY	Title FILE CLERK	
Signature Would McCaully	Date 08/04/2008	
THIS SPACE FOR FEDER	RAL OR STATE OFFICE USE	
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify t the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	hat Office	I
TH 10 H 0 C C (1 100) 1 TH 12 H 0 C C (1 1010 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 11/11 1 1 1 1 1 1 1 1 1 1 1 1 1	64 77 1 10

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false,

fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

#### EXECUTIVE SUMMARY REPORT

7/1/2008 - 7/31/2008 Report run on 8/2/2008 at 12:54 PM

Riverbend Unit 23-19F - Natural Buttes, 19, 10S, 20E, Uintah, Utah, , Roosevelt,

AFE: 717108

Objective: Drill & Complete a Natural Buttes gas well

7/15/2008

MIRU PerfoLog WL. RIH w/GR/CCL/CBL logging tls. Tgd @ 8,604'. Run CBL under 750 psig fr/8,604' -750' FS. Log indic TOC @ 950'. Run CBL under 750 psig. PT csg to 5000 psig. Tst gd. POH & LD logging tls. RDMO WL. SWI & SDFN. Rpts suspd until further activity.

RUN CBL

FORM 9

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES	
DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: U-013769-A
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT OF CA AGREEMENT NAME: RIVERBEND UNIT
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: RBU 23-19F
2. NAME OF OPERATOR: XTO ENERGY INC.	9. API NUMBER: 4304738553
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410 PHONE NUMBER: (505) 333-3100	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 654' FNL & 3156' FWL	COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 19 10S 20E S	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
ACIDIZE DEEPEN	REPERFORATE CURRENT FORMATION
NOTICE OF INTENT   Submit in Duplicate)   ALTER CASING   FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK (Submit Original Form Only)	WATER DISPOSAL
Date of work completion:  CHANGE WELL STATUS  PRODUCTION (START/RESUME)	WATER SHUT-OFF
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	✓ OTHER: AUGUST '08
8/31/2008 RECOMPLETE - DIFFERENT FORMATION	MONTHLY
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volume XTO Energy has nothing to report on this well for the period of 8/01/2008 thru 8/31/2008.	∋s, etc.
NAME (PLEASE PRINT) WANETT MCCAULEY	
NAME (FLEASE FRINT)	
SIGNATURE	
(This space for State use only)	7=0=1\/ED

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## STATE OF UTAH

	DIVISION OF OIL, GAS AND MI				SE DESIGNATION AND SERIAL NUMBER:
SUNDRY	NOTICES AND REPORTS	S ON WEL	LS	6. IF IN	DIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill n drill horizontal la	new wells, significantly deepen existing wells below cun aterals. Use APPLICATION FOR PERMIT TO DRILL fo	rent bottom-hole de orm for such propos	oth, reenter plugged wells, or to als.	7. UNIT	or CA AGREEMENT NAME: ERBEND UNIT
1. TYPE OF WELL OIL WELL				8. WEL	L NAME and NUMBER:
2. NAME OF OPERATOR: XTO ENERGY INC.		:			NUMBER: 1738553
3. ADDRESS OF OPERATOR: 382 CR 3100	Y AZTEC STATE NM ZIP	87410	PHONE NUMBER: (505) 333-3100		LD AND POOL, OR WILDCAT: URAL BUTTES
4. LOCATION OF WELL  FOOTAGES AT SURFACE: 654' F  QTR/QTR, SECTION, TOWNSHIP, RAN	NL & 3156' FWL			COUNT STATE:	Y: UINTAH UTAH
11. CHECK APPI	ROPRIATE BOXES TO INDICAT	E NATURE	OF NOTICE, REP	ORT, O	R OTHER DATA
TYPE OF SUBMISSION		٦	YPE OF ACTION		
NOTICE OF INTENT	ACIDIZE	DEEPEN			REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRACTUR	TREAT		SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	NEW CON	STRUCTION		TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS	OPERATO	R CHANGE		TUBING REPAIR
	CHANGE TUBING	PLUG AND	ABANDON		VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BAC	K		WATER DISPOSAL
Date of work completion:	CHANGE WELL STATUS	PRODUCT	ON (START/RESUME)		WATER SHUT-OFF
	COMMINGLE PRODUCING FORMATIONS	RECLAMA	TION OF WELL SITE	$\checkmark$	OTHER: SEPTEMBER '08
9/30/2008	CONVERT WELL TYPE	RECOMPL	ETE - DIFFERENT FORMATIO	N	MONTHLY REPORT
	OMPLETED OPERATIONS. Clearly show all retored to report on this well for the perior			imes, etc.	
NAME (PLEASE PRINT) WANETT	MCCAULEY	A			
SIGNATURE WANT	tt /// Can	DA DA	TE 10/3/2008		
(This space for State use only)		1		) [	
		•	F	IEUE	IVED
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## •

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: U-013769-A
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT OF CA AGREEMENT NAME: RIVERBEND UNIT
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: RBU 23-19F
2. NAME OF OPERATOR:  XTO ENERGY INC.	9. API NUMBER: 4304738553
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410 PHONE NUMBER: (505) 333-3100	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 654' FNL & 3156' FWL	COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 19 10S 20E S	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK (Submit Original Form Only)	WATER DISPOSAL
Date of work completion:  CHANGE WELL STATUS  PRODUCTION (START/RESUME)	WATER SHUT-OFF
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	✓ OTHER: OCTOBER 08
10/31/2008 RECOMPLETE - DIFFERENT FORMATION	MONTHLY REPORT
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volume Attached is XTO Energy's monthly report on this well for the period of 10/01/2008 thru 10/31.	
NAME (PLEYSE PRINT) JENNIFER M. HEMBRY  SIGNATURE LINITY M. HEMBRY  DATE 11/5/2008	
(This space for State use only)	

#### EXECUTIVE SUMMARY REPORT

10/1/2008 - 10/31/2008 Report run on 11/4/2008 at 12:48 PM

Riverbend Unit 23-19F - Natural Buttes, 19, 10S, 20E, Uintah, Utah, , Roosevelt,

AFE: 717108

Objective: Drill & Complete a Natural Buttes gas well

10/28/2008

SICP 0 psig. MIRU HES and Casedhole Solutions WLU. Held safety mtg & PT all surface lines to 7,500 psig, held gd. RIH perf stg #1 w/3-1/8"" csg guns loaded w/ Titan EXP-3323-361T, 22.7 gm chrgs, fr/8,284' - 8,297', 8,423' -8,427', 8,433' - 8,437', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 45 holes). BD MV stg #1 perfs w/2% KCL wtr and EIR. A. MV perfs f/8,284' -8,437' w/1,350gals of 7-1/2% NEFE HCL acid and 68 Bio-BS @ 12 bpm dwn 5-1/2" csg. ISIP 2,915 psig, surge balls off perfs, wait 5". Frac'd MV stg #1 perfs fr/8,284' - 8,437', dwn 5-1/2" csg w/36,244 gallons wtr, 70Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 80,000# Premium White/BASF 20/40 sd, coated w/ Expedite Lite. Max sd conc 3 ppg, ISIP 3,500 psig, 5" SIP 3,360 psig, used 1,337,000 mscf of N2, ATP 5,202, 863 BLWTR. RIH & set 6K CBP @ 8,230'. PT plg to 6,000 psig, gd tst. RIH w/ 3-1/8" csg guns loaded w/ Titan EXP-3323-361T, 22.7 gm chrgs. Perf MV stage #2 intv fr/8,099' - 8,108', 8,139' - 8,145', 8,151' - 8,154', 8,162' - 8,165', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 46 holes). POH & LD perf guns. BD MV stg #2 perfs w/2% KCL wtr and EIR. A. MV perfs f/8,099' -8,165' w/1,350gals of 7-1/2% NEFE HCL acid and 69 Bio-BS @ 12 bpm dwn 5-1/2" csq. ISIP 2,865 psiq, surge balls off perfs, wait 5". Frac'd MV stg #2 perfs fr/8,099' - 8,165', dwn 5-1/2" csg w/38,587 gallons wtr, 70Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 109,400# Premium White/BASF 20/40 sd, coated w/ Expedite Lite. Max sd conc 3 ppq, ISIP 3,950 psig, 5" SIP 3,775 psig, used 1,521,000 mscf of N2, ATP 4,972, 919 BLWTR. RIH & set 6K CBP @ 7,870'. PT plg to 6,000 psig, qd tst. RIH w/ 3-1/8" csg guns loaded w/ Titan EXP-3323-361T, 22.7 gm chrgs. Perf MV/UB stage #3 intv fr/7,722' - 7,724', 7,602' - 7,607', 7,940' -7,944', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 25 holes). POH & LD perf guns. BD MV/UB stg #3 perfs w/2% KCL wtr and EIR. A. MV/UB perfs f/7,722' - 7,944' w/850gals of 7-1/2% NEFE HCL acid and 38 Bio-BS @ 12 bpm dwn 5-1/2" csg. ISIP 1,981 psig, surge balls off perfs, wait 5". Frac'd MV/UB stg #3 perfs fr/7,722' - 7,944', dwn 5-1/2" csg w/21,570 gallons wtr, 70Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 54,900# Premium White/BASF 20/40 sd, coated w/ Expedite Lite. Max sd conc 3 ppg, ISIP 3,480 psig, 5" SIP 3,357 psig, used 913,000 mscf of N2, ATP 4,733 psig, 514 BLWTR. RIH & set 6K CBP @ 6,220'. PT plq to 6,000 psiq, qd tst. RIH w/ 3-1/8" csg guns loaded w/ Titan EXP-3323-361T, 22.7 gm chrgs. Perf CW stage #4 intv fr/6,056' - 6,067', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 23 holes). POH & LD perf guns. Spearhead 1,000 gals 7-1/2% HCL and frac'd CW stg #4 perfs fr/6,056' - 6,067', dwn 5-1/2" csg w/14,359 gallons wtr, 70Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 36,100# Premium White/BASF 20/40 sd, coated w/ Expedite Lite. Max sd conc 4 ppg, ISIP 2,715 psig, 5" SIP 2,660 psig, used 390,000 mscf of N2, ATP 3,604 psig, 342 BLWTR. RIH & set 6K CBP @ 5,500'. PT plg to 6,000 psig, gd tst. RIH w/ 3-1/8" csg guns loaded w/ Titan EXP-3323-361T, 22.7 gm chrgs. Perf CW stage #5 intv fr/5,307' - 5,309', 5,315' - 5,317', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 10 holes). POH & LD perf guns. Spearhead 1,000 gals 7-1/2% HCL and frac'd CW stg #5 perfs fr/5,307' -5,317', dwn 5-1/2" csg w/32,760 gallons wtr, Water Frac G-R (9), 2% KCl wtr carrying 22,000# Premium White/BASF 20/40 sd, coated w/ Expedite Lite. Max sd conc 1.5 ppg, ISIP 2,270 psig, 5" SIP 2,175 psig, 780 BLWTR. Did not set a top kill plg, csg on a vacuum. RDMO HES & WLU. SWI & SDFN. 3,418 BLWTR ttl. Rpts suspd until further activity.

#### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES 5. LEASE DESIGNATION AND SERIAL NUMBER: DIVISION OF OIL, GAS AND MINING U-013769-A 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: SUNDRY NOTICES AND REPORTS ON WELLS N/A 7. UNIT or CA AGREEMENT NAME: Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. RIVERBEND UNIT 8. WELL NAME and NUMBER: GAS WELL 🔽 OIL WELL OTHER **RBU 23-19F** 9. API NUMBER: 4304738553 10. FIELD AND POOL, OR WILDCAT: PHONE NUMBER: NATURAL BUTTES STATE NM 7112 87410 (505) 333-3100 CITY AZTEC COUNTY: UINTAH FOOTAGES AT SURFACE: 654' FNL & 3156' FWL STATE: 10S 20E QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW UTAH CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF ACTION TYPE OF SUBMISSION REPERFORATE CURRENT FORMATION DEEPEN ACIDIZE

FRACTURE TREAT

NEW CONSTRUCTION

OPERATOR CHANGE

PLUG AND ABANDON

PRODUCTION (START/RESUME)

RECLAMATION OF WELL SITE

PLUG BACK

RECOMPLETE - DIFFERENT FORMATION CONVERT WELL TYPE 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached is XTO Energy's monthly report on this well for the period of 11/01/2008 thru 11/30/2008.

ALTER CASING

CASING REPAIR

CHANGE TUBING

CHANGE WELL NAME

CHANGE WELL STATUS

CHANGE TO PREVIOUS PLANS

COMMINGLE PRODUCING FORMATIONS

NAME (PLEASE PRINT)\_\_\_JENNIFER M. HEMBRY REGULATORY CLERK 12/5/2008

(This space for State use only)

1 TYPE OF WELL

382 CR 3100 4. LOCATION OF WELL

11.

2. NAME OF OPERATOR:

XTO ENERGY INC.

NOTICE OF INTENT

(Submit in Duplicate)

Approximate date work will start:

SUBSEQUENT REPORT

Date of work completion:

11/30/2008

(Submit Original Form Only)

3. ADDRESS OF OPERATOR:

DEC 0 9 2008

SIDETRACK TO REPAIR WELL

OTHER: DECEMBER 08

MONTHLY REPORT

TEMPORARILY ABANDON

TUBING REPAIR

VENT OR FLARE

WATER DISPOSAL

WATER SHUT-OFF

DIV. OF OIL, GAS & MINING

#### EXECUTIVE SUMMARY REPORT

11/1/2008 - 11/30/2008 Report run on 12/3/2008 at 5:09 PM

Riverbend Unit 23-19F - Natural Buttes, 19, 10S, 20E, Uintah, Utah, , Roosevelt, AFE: 717108 Objective: Drill & Complete a Natural Buttes gas well SITP 0 psig, SICP 300 psig Cont to TIH w/4-3/4" rock tooth bit, SS, BRS, 8' 11/3/2008 X 2-3/8" tbg sub, SN, & 2-3/8" tbg. DO 5-1/2" CBP's @ 5,550' (CO 60' sd abv plq), 6,220' (CO 20' sd abv plg), 8,000' (CO 50' sd abv plg), 8,230' (CO 60' sd abv plg). TIH CO 57' sd to PBTD @ 8,602'. Circ well cln, LD 120 jts of tbg, Ld  $\overline{160}$  jts 2-3/8", 4.7#, L-80, 8rd tbg on hgr w/EOT @ 5,287', & SN 5,275'. RU swb tls. RIH w/ XTO's 1.90" tbg broach to SN @ 5,275' (no ti spts). POH & LD broach. ND BOP. NU WH. SWI & SDFN. RDMO rig and equip. Ttl FL ppd 220 bbls, Ttl FL rec 680 bbls, 5,254 BLWTR ttl. MIRU CHS WLU. RIH w/slplit shot perf gun and perf a 20" X 1/2" slot below SN 11/5/2008 @ 5,280'. POH stuck gun @ 263'. PPD 160 bbls 2% trtd kcl wtr dwn csg. POH LD perf guns. RDMO WLU. MIRU F bk crew. FTP 500 psig, SICP 400 psig. F. 0 BO, 129 BLW, 5 hrs, FTP 500 - 900 psig, SICP 400 - 750 psig, 12/64" ck. Rets of tr sd, qas, wtr. 5,285 BLWTR ttl. CW/MV-UB/MV perfs f/5,307' - 8,437'. 11/6/2008 FTP 900 psig, SICP 900 psig. F. 0 BO, 285 BLW, 24 hrs, FTP 900 - 900 psig, SICP 900 - 1,300 psig, 12-18/64" ck. Rets of tr sd, gas, wtr. 5,000 BLWTR ttl. CW/MV-UB/MV perfs f/5,307' - 8,437'. FTP 900 psig, SICP 1,250 psig. F. 0 BO, 176 BLW, 24 hrs, FTP 900 - 850 11/7/2008 psig, SICP 1,250 - 1,050 psig, 18/64" ck. Rets of tr sd, gas, wtr. 4,824 BLWTR ttl. CW/MV-UB/MV perfs f/5,307' - 8,437'. FTP 850 psig, SICP 1,050 psig. F. 0 BO, 113 BLW, 24 hrs, FTP 850 - 850 11/8/2008 psiq, SICP 1,050 - 1,000 psig, 18/64" ck. Rets of tr sd, gas, wtr. 4,711 BLWTR ttl. CW/MV-UB/MV perfs f/5,307' - 8,437'. 11/9/2008 FTP 850 psig, SICP 950 psig. F. 0 BO, 86 BLW, 24 hrs, FTP 850 - 850 psig, SICP 950 - 950 psig, 18/64" ck. Rets of tr sd, gas, wtr. 4,625 BLWTR ttl. CW/MV-UB/MV perfs f/5,307' - 8,437'. FTP 850 psig, SICP 950 psig. F. 0 BO, 56 BLW, 20 hrs, FTP 850 - 850 psig, 11/10/2008 SICP 950 - 950 psig, 18/64" ck. Rets of tr sd, gas, wtr. 4,565 BLWTR ttl. CW/MV-UB/MV perfs f/5,307' - 8,437'.

Form 3160-5 (August 2007)

IFR 700 MCFPD.

XTO allocation meter #RS1551RF.

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals

FORM APPROVED
OMB NO. 1004-0137
Expires July 31, 2010

5. Lease Serial No.

U 013769-A
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6. If Indian, Allottee or Tribe Name

abandoned well. Use Form	3160-3 (APD) for	such proposals.		N/A	
SUBMIT IN TRIPLICAT	7. If Unit or CAA	Agreement, Name and/or No			
Type of Well     Oil Well				8. Well Name and RBU 23-19F	d No.
XTO Energy Inc.				9. API Well No.	
3a. Address		3b. Phone No. (include are		43-047-3855	
<b>5.2.</b>	Description) SEC 19-T10S-R201 SEC 19-T10S-R201	SLB&M	33-3100	NATURAL BUT MESAVERDE  11. County or F	
Ditti: 1230 11th & 2030 122 Diz.				UINIAH	UTAH
12. CHECK APPROPRIATE	BOX(ES) TO INI	DICATE NATURE OF N	OTICE, REPO	ORT, OR OTHER	R DATA
TYPE OF SUBMISSION		TYI	PE OF ACTION		
Notice of Intent	Acidize	Deepen		on (Start/Resume)	Water Shut-Off Well Integrity
X Subsequent Report	Alter Casing  Casing Repair	Fracture Treat  New Construction	Reclamat Recompl	Γ	X Other 1ST DELIVERS
Final Abandonment Notice	Change Plans Convert to Injecti	Plug and Abandon  Plug Back	Tempora Water Di	rily Abandon isposal	
13. Describe Proposed or Completed Operation (clear If the proposal is to deepen directionally or recomp Attach the Bond under which the work will be perfollowing completion of the involved operations. It testing has been completed. Final Abandonment I determined that the final site is ready for final inspection.	plete horizontally, give suffermed or provide the if the operation results Notices shall be filed out out.)	subsurface locations and mea: Bond No. on file with BLM in a multiple completion or really after all requirements, incompletions.	sured and true v /BIA. Required ecompletion in a cluding reclamat	subsequent reports a new interval, a Fo tion, have been con	pertinent markers and zones s shall be filed within 30 day orm 3160-4 shall be filed once appleted, and the operator ha

RECEIVED
JAN 1 3 2009

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)  BARBARA A. NICOL	Title REGULATORY CL	ERK
Signature Parwarus a. Mick	Date 01/13/2009	
THIS SPACE FOR	FEDERAL OR STATE OFFICE US	E
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant of the applicant holds legal or equitable title to those rights in the subject lease which wou entitle the applicant to conduct operations thereon.	or certify that Office	

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

#### FORM 9

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION (	5. LEASE DESIGNATION AND SERIAL NUMBER: U-013769-A		
SUNDRY NOTICE	S AND REPORTS ON WE	LLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
			7. UNIT OF CA AGREEMENT NAME:
Do not use this form for proposals to drill new wells, significar drill horizontal laterals. Use APPLI	ntly deepen existing wells below current bottom-note at ICATION FOR PERMIT TO DRILL form for such propo	sals.	RIVERBEND UNIT
1. TYPE OF WELL OIL WELL GAS	S WELL 🚺 OTHER		8. WELL NAME and NUMBER: RBU 23-19F
2. NAME OF OPERATOR:			9. API NUMBER:
XTO ENERGY INC.  3. ADDRESS OF OPERATOR:		PHONE NUMBER:	4304738553
382 CR 3100 CITY AZTEC	STATE NM ZIP 87410	(505) 333-3100	NATURAL BUTTES
4. LOCATION OF WELL		A second second	
FOOTAGES AT SURFACE: 654' FNL x 3156'	FWC Charles and the second		COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	NENW 19 10S 20E S		STATE: UTAH
11. CHECK APPROPRIATE	BOXES TO INDICATE NATURE	OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION	<del></del>	TYPE OF ACTION	
NOTICE OF INTENT	DEEPEN		REPERFORATE CURRENT FORMATION
(Submit in Duplicate) ALTER C	ASING FRACTUR	RETREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING	<del></del>	ISTRUCTION	TEMPORARILY ABANDON
		OR CHANGE	TUBING REPAIR
CHANGE		D ABANDON	VENT OR FLARE
(Submit Original Form Only)	EWELL NAME PLUG BA		WATER DISPOSAL WATER SHUT-OFF
Date of work completion:		TION (START/RESUME)	OTHER: January 08
1/31/2009 1二		LETE - DIFFERENT FORMATION	MONTHLY REPORT
12. DESCRIBE PROPOSED OR COMPLETED OP	FRATIONS Clearly show all pertinent details	ncluding dates, depths, volum	es. etc.
LE BESSINGET NOT OBED ON OBMIT ELTER OF	Elatification of the state of t		
Attached is XTO Energy's monthly re	port for the period of 1/1/2009 the	ru 1/31/2009	
	•		**
			ether and and a
•			
NAME (DI FACE DOINT) EDENTINE		REGULATORY	CLERK
NAME (PLEASE PRINT)		1LL	
SIGNATURE	D	ATE 2/6/2009	
		······································	
(This space for State use only)			
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#### EXECUTIVE SUMMARY REPORT

1/1/2009 - 1/31/2009 Report run on 2/4/2009 at 4:13 PM

#### Riverbend Unit 23-19F

Section 19-10S-20E, Uintah, Utah, Roosevelt

Objective: Drill & Complete a Natural Buttes gas well

Date First Report: 5/31/2008 Method of Production: Flowing

1/12/2009

The River Bend Unit 23-19F was first delivered to Questar Gas Management through the Hill Creek Tap CDP @ 11:00 a.m., Friday, 1/12/09. IFR 700 MCFPD.

This well is in Uintah County, Utah. This well is on Route #206. This is a WA/MV well.

Accounting #165664.

AFE #717108.

XTO allocation Meter # RS1551RF.

RTU Group 10

Address 79.

Hill Creek Tap CDP Meter #RS0756C.

Tank # F1241.

#### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING 5. LEASE DESIGNATION AND SERIAL NUMBER: U-013769-A 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: SUNDRY NOTICES AND REPORTS ON WELLS N/A 7. UNIT or CA AGREEMENT NAME: Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. RIVERBEND UNIT 8. WELL NAME and NUMBER: 1. TYPE OF WELL OIL WELL GAS WELL 🗸 OTHER **RBU 23-19F** 9. API NUMBER: 2. NAME OF OPERATOR: 4304738553 XTO ENERGY INC. 3. ADDRESS OF OPERATOR: PHONE NUMBER: 10. FIELD AND POOL, OR WILDCAT: STATE NM 712 87410 **NATURAL BUTTES** 382 CR 3100 (505) 333-3100 AZTEC 4. LOCATION OF WELL FOOTAGES AT SURFACE: 654' FNL x 3156' FWL COUNTY: UINTAH QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 19 10S 20E STATE: UTAH CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 11.

	TYPE OF SUBMISSION	TYPE OF ACTION						
$\overline{\Box}$	NOTICE OF INTENT		ACIDIZE		DEEPEN		REPERFORATE CURRENT FORMATION	
ш,	(Submit in Duplicate)		ALTER CASING		FRACTURE TREAT		SIDETRACK TO REPAIR WELL	
	Approximate date work will start:		CASING REPAIR		NEW CONSTRUCTION		TEMPORARILY ABANDON	
			CHANGE TO PREVIOUS PLANS		OPERATOR CHANGE		TUBING REPAIR	
			CHANGE TUBING		PLUG AND ABANDON		VENT OR FLARE	
$\checkmark$	SUBSEQUENT REPORT		CHANGE WELL NAME		PLUG BACK		WATER DISPOSAL	
	(Submit Original Form Only)  Date of work completion:		CHANGE WELL STATUS		PRODUCTION (START/RESUME)		WATER SHUT-OFF	
			COMMINGLE PRODUCING FORMATIONS		RECLAMATION OF WELL SITE	$\checkmark$	отнея: February 09	
	1/31/2009		CONVERT WELL TYPE		RECOMPLETE - DIFFERENT FORMATION		MONTHLY REPORT	

XTO Energy Inc. has nothing to report on this well for the period of 2/1/2009 thru 2/28/2009

	<u> </u>	
NAME (PLEASE PRINT) EDEN FINE	TITLE REGULATORY CLERK	
SIGNATURE	DATE 3/4/2009	

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<sup>12.</sup> DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Form 3160-5 (August 2007)

#### UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

DOGM	COLA	
いして、		

FORM APPROVED OMB NO. 1004-0137 31, 2010

Expires	July	3

SHNDRY	NOTICES	AND	<b>REPORTS</b>	ON	WELLS
SOMPRI	NOTICES	AILD	KEFOKIS	O I I	**

Do not use this form for proposals to drill or to re-enter an

5. Lease Serial No. U-013769-A 6. If Indian, Allottee or Tribe Name

abandoned well. Use Form	3160-3 (APD) for su	ch proposals.		N/A	
SUBMIT IN TRIPLICATI	<b>E</b> - Other instructions o	on page 2	· · · · · · · · · · · · · · · · · · ·		Agreement, Name and/or No
1. Type of Well Oil Well X Gas Well Other				8. Well Name an RBU 23-19F	d No.
2. Name of Operator					
XTO Energy Inc. 3a. Address	9. API Well No.				
3b. Phone No. ( <i>include area code</i> ) 382 CR 3100 Aztec, NM 87410 505-333-3100				43-047-3855	ol, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey D	NATURAL BUT				
654' FNL & 3156' FWL NENW SEC 19		5M			
				11. County or P	arish, State
				UINTAH	UTAH
12. CHECK APPROPRIATE	BOX(ES) TO INDICA	ATE NATURE OF N	OTICE, REPO	ORT, OR OTHER	DATA
TYPE OF SUBMISSION		TYI	PE OF ACTION		
X Notice of Intent	Acidize	Deepen	Production	n (Start/Resume)	Water Shut-Off
	Alter Casing	Fracture Treat	Reclamati	on	Well Integrity
Subsequent Report	Casing Repair	New Construction	Recomple	te	Other
Trial Aleman Notice	Change Plans	Plug and Abandon	X Temporari	ily Abandon	
Final Abandonment Notice	Convert to Injection	Plug Back	Water Dis	nosal	
XTO Energy Inc. proposes to tempor be TA'd in order to deepen the RBC					
	COPY SENT T Date: <u>lo ' '</u> Initials:			MAY	EIVED 2 1 2009 GAS & MINING
14. I hereby certify that the foregoing is true and correct	<del>:</del>			· · · · · · · · · · · · · · · · · · ·	
Name (Printed/Typed) WANETT MCCAULEY	0 1	Title REGULA	TORY CLERK		
Signature W anoth MO	Cauley	Date 5/19/200	)9		
тыз	SPACE FOR FEEER		FICE USE		
Approved by	9	Title Pet-1	Erg.	Dat	6/401
Conditions of approval, if any, are attached. Approval of this notic the applicant holds legal or equitable title to those rights in the subj entitle the applicant to conduct operations thereon.	ject lease which would	at Office	m		eral Approval Of This

Approved	l

### River Bend Unit #23-19F Sec 19, T 10 S, R 20 E Uintah County, Utah API: 43-047-38553

#### TA Well to Deepen Pad Well

Cond csg:

14", 36.75#, A-252A csg @ 56.5'.

Surf csg:

9-5/8", 36#, J-55 csg @ 2,174'. Cmt circ to surf.

Prod csg:

5-1/2", 17#, Seah-80 csg @ 8,650'. Cmtd w/278 sks lead (11.5 ppg, 3.10 cf/sk) and 880

sks tail cmt (12.8 ppg, 1.49 cf/sk), did not circ cmt to surf. TOC @ 970' via CBL. PBTD

@8,602'.

Tbg:

160 jts 2-3/8", 4.7#, L-80 tbg, SN, 8' tubing sub, BRS, SS, 4-3/4" bit. EOT @ 5,287'.

Perfs:

WA: 5,354'-7,784' MV: 7,773'-8,391'.

Production:

Flowing, 860 MCFPD.

Purpose:

The RBU 23-19F and RBU 18-19F need to be TA'd in order for another pad well, RBU

03-19FX, to be deepened and completed.

- 1. MIRU PU. MI 3,000' of 2-3/8", 4.7#, L-80 tbg.
- 2. Blow down and kill well w/KCl substitute wtr treated w/biocide & scale inhibitor.
- 3. ND WH, NU BOP. TOH tbg and BHA. LD 8' tubing sub, BRS, SS, 4-3/4" bit.
- 4. MIRU WL. RU full lubricator. Run post job tracer log for the interval fr/5,307'-5,317'.
- 5. TIH 134 joint of 2-3/8" tbg. PU 5-1/2" Model C RBP, 4' perf sub, & MU to 2-3/8" tbg already in well.
- 6. TIH w/tail sub, perf sub, 5-1/2" RBP, & 125 jts of tbg. RBP @  $\pm$  4,000'. Displace well w/ $\pm$ 86 bbls KCl substitute wtr containing biocide & scale inhibitor. PT RBP to 1,000 psi . Ld tbg on hgr. ND BOP, install 2" vlv in hgr. RDMO PU.

#### Regulatory:

• Submit NOI to TA well, submit Sundry after task has been performed, submit NOI to reactivate TA'd well, submit Sundry after RWTP.

#### **Equipment:**

• 5-1/2" RBP, 4' perf sub, 3,000' of 2-3/8", 4.7#, L-80 tbg.

## **TO** ENERGY

## Downhole Well Profile

Well Name: Riverbend Unit 23-19F

API/UMI	Location	Field Name	Permit Number	State	Well Configuration Type			
43047385530000	T10S-R20E-S19	Natural Buttes		Utah	Directional			
Original KB Elevation (ft)	Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date	Total Depth (ftKB)			
5,139.50	5,123.00	16.50	5/31/2008 9:00:00 AM	6/21/2008 6:00:00 PM	8,687.0			

<b>Wel</b> Coun	<b>Ihead</b> ty	S	Targ	get Formation		Metho	od Of Production					On Produc	tion Date	
V	/ell Cor	nfig: Directional - Original	Hole, 5/19/2009	9 10:56:01 AM	Casing Strings									
ftKB (MD)	ftKB (TVD)	Scho	matic - Actual		Casing Descript	ion	OD (in		∕vt (lbs/ft)	Grade		Top Threa	d Se	t Depth (ftKB)
(IVID)	(100)	Oute	mano - Actua		Conductor			14	36.75 A			700		56.5
-530			П		Surface			5/8	36.00 J-			T&C		2,174.0
16	16	7887	TIER	Conductor, 14,	Production			5 1/2	17.00 S	eaneu	ĮL.	T&C		8,650.9
56	56			<b>– 13.500, 17,</b>	Cement		D	_				mment		
82	82			40.0	String Conductor, 56.5ftk	'B Con	Description		CMT TO S	URF		minianr	····	
107	107				Conductor, 30.31th		nent	ıy	OWN 100	Oiti				
130	130				Surface,		face Casing	Cement	CEMENT	O SUF	REACE	-		
,878	1,838	Ø <sub>2</sub>			2,174.0ftKB	Our	idoc Odomig	00	O Z.W.Z.VV					
!,12€	2,082				Production,	Proc	duction Casi	na	Cmtd w/27	8 sks le	ead (11	1.5 ppg. 3.	10 cf/s	k) and 880
1,127	2,083				8.650.9ftKB		nent	9	sks tail cm					
1,178	2,128			Surface, 9 5/8,	,				surf. TOC	@ 970	via C	BL.		
1,174	2,129			/ 17, 2,157.5 Tubing -				-						
1,215	2,169			– Production, 2	Perforations Date	1	Top (ffKB)		Btm (ftKB)			Zone		
1,680	4,576			3/8, -530	10/28/2008	-	5,307	7.0		0 Wasa	atch, C	riginal Ho		
1,703					10/28/2008		5,315					riginal Ho		
1,705			ЦB		10/28/2008		6,056					riginal Ho		
1	5,172	- Consideration	T brown		10/28/2008		7,602					riginal Ho		<del>-</del>
1.	5,173				10/28/2008	-	7,722					, Original I		
P .	5,181		110		10/28/2008	+	7,940	_				, Original I		
	5,182				10/28/2008	+	8,099					, Original I		
Į.	5,202	<u> </u>   <u> </u>   <u> </u>     <u> </u>	8_	Perforated, > 5,307-5,309,	10/28/2008	-	8,139	1	·			, Original I		
Ä	5,204		И	10/28/2008	10/28/2008	<del> </del>	8,151		8,154.	0 Mesa	verde	Original I	Hole	
1	5,210			Perforated,	10/28/2008		8,162	2.0	8,165.	0 Mesa	verde	, Original I	Hole	
1	5,212			- 5,315-5,317, 10/28/2008	10/28/2008	1	8,284	1.0	8,297.	0 Mesa	verde	, Original I	Hole	
1	5,212	T 1	B	Perforated,	10/28/2008		8,422	2.0	8,437.	0 Mesa	verde	, Original I	Hole	
1	5,961			- 6,056-6,067,	10/28/2008		8,423	3.0	8,427.	0 Mesa	verde	, Original	Hole	
1			18 -	10/28/2008 Perforated,	Tubing - Product	ion co	t at 5 287 N	tKB on	11/3/2008 15	.00				
1	7,496			− 7,602 <b>-</b> 7,607,	Tubing Description	1011 56	Run Date	IND OII	String Len	gth (ft)		Set Dep	th (ftKB)	
1	7,501			10/28/2008	Tubing - Productio	in	11/3	/2008		5,816.8	0		5,28	7.0
1	7,553				Tubing Compone	nts								
	7,573			Perforated,	Item Description		lts Ma	ke	Model				Grade	Len (ft)
1	7,594			7,722-7,724,	Tubing	1	160		T&C Non-U	1	2 3/8	4.70 L	80	5,806.75
7,722	1 '	I YX		/ 10/28/2008 Perforated,	Nipple		_1				2 3/8			1.10
1	7,618			7,940-7,944,	Tubing Sub				T&C Upset		2 3/8	4.70 L	80	8.00
1.	7,834			10/28/2008	Millout Extension		1		L		2 3/8			0.95
1,944	7,838	1 E B	19 "	Perforated, 8,099-8,108,	Rods				\$			·		
1 '	7,993	10		10/28/2008	Rod Description		Run Date		String Len	gth (ft)		Set Dep	th (ftKB)	
3,108	8,002			Perforated, > 8,139-8,145,										
Я .	8,033			10/28/2008	Rod Components				166-3-6		57:	A # /11 = /64\ C	Grade	Longth (ff)
1,14	8,039			Perforated,	Item Description	Jo	ints Make		Model	lor	) (in)	Wt (lbs/ft)	raue	Length (ft)
1,151	8,045			8,151-8,154, 10/28/2008	OVI-None 9 T				l					
1,154	8,048			Perforated,	Stimulations & T	reatme Top Pe		5 Min	10 Min   15	Min				
1,162	8,056			8,162-8,165,	Frac Start Date	(ftKB)	Perf (ftKB)	(psi)		osi)			ment	
3,168	8,059	18		10/28/2008 Perforated,	10/28/2008	8284	8437	3,36						).5 <b>-</b> 3.0 ppg
1,284	8,178	1		<b>8,284-8,297</b> ,								with Expe		
3,297	8,191			10/28/2008 Perforated,	10/28/2008	8099	8165	3,77						).5-3.0 ppg
1,422	8,316			/ 8,423-8,427,						1 -		with Expe		
1,423	8,317	19		10/28/2008	10/28/2008	7602	7944	3,35						).5 <b>-</b> 3.0 ppg
1.	8,321	18		Perforated, 8,422-8,437,								with Expe		
1	8,331			10/28/2008	10/28/2008	6056	6067	2,66						1.0 <b>-4</b> .0 ppg
1	8,496	Ø_										with Expe		
	8,498	l Vi	18		10/28/2008	5307	5317	2,17						ear gel), so
1	8,498		40											h Expedite wet zone
1	8,543		8									aceo stage his interva		wel Zone
1.	8,545			Production, 5				<u> </u>						***
1,68				1/2, 16, 8,634.4										
ww	w.xto	energy.com			Pa	ge 1/1	!					Report Pi	rinted:	5/19/2009
		<del></del>												

Form 3160-4 (August 2007)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

DOGM COPY	D	0	G	M	C	0	PΥ
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FORM APPROVED OMB NO. 1004-0137 Expires July 31, 2010

DOGM COPY

(August 20	07)		BUREAU	!					L	,0(	3 IVI	7	ו אנ		es July 31, 2010
	WELI	_ COMF	LETIONO	R REC	OMPLET	ION RE	PORT	AND LO	3				ease Ser U-0137		
la. Type	of Well 🗆	T Oil Wa	ell 🗶 Gas W	Zall 🗀	Dry	Other				-	-	=			r Tribe Name
• •	L	_		_	k Over	_	-	1 Disa Dasis	,	N:00 D		ŀ	N/A		
b. Type	of Completion:		New Well	L wor	k Over	Deepen	L.	Plug Back	∐ r	Diff.Re	svr,.			A Agreer	nent Name and No.
2. Name	of Operator	Ot										_		END UN	
	•													ne and W	/ell No.
3. Addre	erqy Inc.						3a.	Phone No. (	include	area c	ode)		RBU 23 API Well		
382 CR	3100 Az	tec, N	M 87410					505-3	33-3	100		1		™. '-38553	2
4. Location	on of Well (Rep	ort locatio	on clearly and	in accord	ance with I	Federal re	quireme					$\overline{}$			Exploratory
At surfa	ace 654 1	FINIL & 3	3156' FWL												TES - MESAVERDE
													sec., T., I survey or		· Block and
At top p	orod. interval rep	oorted bel	ow												9-T10S-R20E
4	1 ats		3681	ful								12.0	County or	Parish	13. State
At total			& 2849 I		<u>De</u>			1 revi	وس	١			TAH		UTAH
14. Date S	Spudded	15. Da	te T.D. Reach	ed	•		ate Com	npleted	7 Dood	uta De	n d	17.	Elevatio	ns (DF, F	RKB, RT, GL)*
E /21	/0000		/10/0000				l		Read	y to Fi	ou.	_ ا			
	L/2008 Depth: MD		/19/2008 556 19.	Plug Bo	ck T.D.; N	4D		2/2009	1 20	Denth	Bridge	+	123' (	ىلغى 4D	·····
io. Total	TVD		550'	I lug Dav		TVD		02' 1 <b>의</b> 공	20.	Беріп	Bridge	riug		'VD	
21. Type	Electric & Othe			(Submit co	opy of each	າ)		1612	22. \	Was wel	l cored?		X No	Y	es (Submit analysis)
• •			-						1	Was DS			No	=	es (Submit report
CBL; I	L/GR/CL; C	Z-D/CN	L/GR/CL;	cz-d/ci	ML/GR/C	L/DL			1	Directio	nal Surve	-	No	$\overline{\mathbf{x}}$	Yes (Submit copy)
23. Casing	g and Liner Rec	ord <i>(Repo</i>	rt all strings s	et in well)					<u>'</u>	•					
Hole Size	Size/Grade	Wt.(#ft.)	Top (MD)	Bottor	n (MD)	Stage Cen Depti		No.of Sk Type of Ce			rry Vol. BBL)		Cement	Top*	Amount Pulled
20"	14/A252A	36.75	# 0	56	.5		·	125 Red		<del>                                     </del>	<i>DDD</i> )		SUR	F	
12-1/4"	9.6/J-55	36#	0		.74			240/Typ				$\top$	SUR	F	
11	H	11	11					250/Pre					SUR		
7-7/8"	5.5/S-80	17#	0	865	0.9			278/Pren				_	950		
,, .	"		11		11			880/Ty		†			, <u>, , , , , , , , , , , , , , , , , , </u>		
								000, 27	<del></del>	1		$\top$			
24. Tubin	g Record		•		· I										
Size	Depth Set (	MD) I	Packer Depth (M	(D)	Size	Depth Set	t (MD)	Packer De	pth (ME	0)	Size		Depth Se	t (MD)	Packer Depth (MD)
2-3/8"	5287			-/		·			· · · · · · · · · · · · · · · · · · ·					_`	
25. Produ	cing Intervals					26. Perfo	ration R	tecord							
	Formation		Тор	Во	ttom	Pe	erforated	Interval		Size		No.	Holes		Perf. Status
A)	MESAVERD:	E	י 5307	84	27'	530	07'-	8427'		0.36		1	<b>4</b> 9		OPEN
B) 143	avan														
C)															
D)															
27. Acid,	Fracture, Treatr	nent, Cen	ent Squeeze, I	Etc.				,							
	Depth Interval					·		Amount and	Type of	Materia	J				
530	7' - 8427	ı	A. w/5	,550 g	als of	7-1/2%	NEFE	HCL acid	d. Fr	ac'd	w/14	3,5	20 gal	s wtr,	70Q N2 foam
			gelled	l fld (	Delta-R	Foam	Frac)	& Water	Frac	: G-R	(9)	car	rying	302,40	00# of Premium
			White/	BASF 2	0/40 sc	l, coat	ed w/	Expedite	Lite	∍.					
					···		···········								
28. Produc	tion - Interval A			-											
Date First Produced	Test Date 9 1/15/2009	Hours Tested 24	Test Production	Oil BBL 10	Gas MCF 1152	Water BBL 50	Oil Gra Corr. /		Gas Gravity		Produc	tion M	lethod	FLOW.	TNC
Choke	Tbg. Press.	Csg.	24	Oil	Gas	Water	Gas: 0		Well Sta	atus			*	<del></del>	
Size 16/24	Flwg. SI 1133	Press. <b>1261</b>	Hr. →	BBL <b>10</b>	MCF 1152	BBL <b>50</b>	Ratio			PROD	UCING	<u>!</u>	ghapagic	KE	CEIVED
	ction-Interval B		•	<u></u>				<u></u>			<del></del>	-	*	14	AD 1 E 2000
Date First	Test	Hours	Test	Oil	Gas	Water	Oil Gra	A DI	Gas		Produc	tion M	1ethod	M/	AR 1 6 2009
Produced	Date	Tested	Production	BBL	MCF	BBL	Corr. /	41'1	Gravity					W 05	OII CAC 9. RAIREINE
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: ( Ratio		Well Sta	atus				JIV. UF	OIL, GAS & MINING
	SI	i .		I	1	1	1	1						_	

			A	·	e don't be not a	~ 3							
28b. Producti	ion - Inter	val C	**************************************	9.00		<u> </u>							
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method				
Choke Size	Tbg. Pres Flwg. SI	Ss. Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status					
28c. Product	<u> </u>	/al D	<u> </u>				<u> </u>			· · · · · · · · · · · · · · · · · · ·			
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method				
Choke Size	Tbg. Pres	css. Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	Weil Status				
29. Dispositi	ion of Gas (	Sold, used for	fuel, vented, e	tc.)	<b></b>	TO BE	SOLD						
30. Summa	ry of Porc	us Zones (In	clude Aquifers)	:		*****		31. Formati	31. Formation (Log) Markers				
	g depth inte		ity and contents t hion used, time to										
Format	tion	Тор	Bottom		Desci	riptions, Co	ontents, etc.		Name	Top Meas.Depth			
								GREEN RI	VER	1281			
								MAHOGENY		2056			
								WASATCH	TONGUE	4191			
								UTELAND	LIMESTONE	4549			
								WASATCH		4705			
~								CHAPITA	WELLS	5530			
								UTELAND	BUTTE	6912			
								MESAVERI	Œ	7711			
			agging procedu		ack in the	unnropriate	hoves:						
Electri Sundi	rical/Mech	nanical Logs ( for plugging a	1 full set req'd) and cement veri	ification	Geol	logic Repor	other:	· I I	ional Survey	· · · · · · · · · · · · · · · · · · ·			
34. I hereby	y certify th	at the forego	ing and attache	d informa	ition is con	nplete and	correct as determ	ined from all availal	ble records (see attached	instructions)*			
Name (p	lease prin		RA A. NICC					Title <b>REGULAT</b>	ORY CLERK				
Signature	e/	Barl	<u>urw</u>	a	Mico	l		Date <u>3/10/20</u>	09				
Title 18 U.S. States any fa	.C. Sectio	n 1001 and 1	Citle 43 U.S.C.	Section or represe	1212, mak	e it a crim	e for any person	knowingly and will	Ifully to make to any dep	partment or agency of the Unite			

(Continued on page 3) (Form 3160-4, page 2)



# **Drilling Services**

# Completion



XTO ENERGY XTO RBU\_23-19F UINTAH COUNTY, UTAH

Prepared by: TRACY WILLIAMS Submitted: June 18, 2008

Weatherford International Ltd.

2000 Oil Drive Casper, Wyoming 82604 +1.307.265.1413 Main +1.307.235.3958 Fax www.weatherford.com

#### **XTO ENERGY UINTAH COUNTY UT RBU 23-19F** 654' FNL, 3156' FWL KB EL 5137' GR EL 5123' SEC. 19, T10S, R20E SECTION DETAILS MD +N/-S +E/-W DLeg TFace VSec Target Azi Sec Inc 0.00 300.00 758.90 4250.20 4709.11 8659.11 0.00 300.00 754.50 4145.50 4600.00 8550.00 0 00 0 00 -46 88 -756 72 -803 60 -803 60 0 00 0 00 13 77 13 77 0.00 0.00 148.69 148.69 0.00 0.00 0.00 0.00 3.00 0.00 3.00 0.00 0.00 0.00 54.87 885.72 940.58 940.58 0.00 0.00 0.00 0.00 0.00 180.00 0.00 500 0 00 28 51 460 29 488 80 488 80 23-19F TGT 0.00 1000 100 SHL 1500 654' FNL, 3156' FWL SEC 19 T10S R20E 9.5/8" PLAN 2000 -100 2500 -200 3000 2000 South(-)/North(+) [200ft/in] 3500 True Vertical Depth [1000ft/in] WASATCH TONGUE 4000 4500 23-19F TGT WASATCH 5000 -700 PBHL 1450' FNL, 2850' FEL SEC. 19 5500 -800 PROJSVY 6000 -900 500 600 -100 100 200 300 400 West(-)/East(+) [200ft/in] SITE DETAILS FIELD DETAILS 6500 UINTAH COUNTY, UT RBU 23-19F UTELAND BUTTES Geodetic System: US State Plane Coordinate System 1983 Ellipsoid: GRS 1980 Zone: Utah, Central Zone Magnetic Model: bggm2007 Site Centre Latitude: 39°56'17,740N Longitude: 109°42'37,430W 7000 Ground Level: 5123 00 Positional Uncertainty: 0.00 Convergence: 1.15 System Datum: Mean Sea Level Local North: True North 7500 Survey: Survey #1 (RBU 23-19F/1) MESAVERDE VSec TVD +N/-S +E/-W DLeg TFace No MD Inc Αz 79 8085.00 2.05 168,95 7978.29 -888.96 525.27 0.00 0.00 1032.47 PROJ SVY 8000 Azimuths to True North Magnetic North: 11.57° Magnetic Field Strength: 52600nT Dip Angle: 65.85° Date: 5/30/2008 Model: bggm2007 LEGEND 8500 Survey #1 9000--500 1000 1500 2000 Survey: Survey #1 (RBU 23-19F/1)

Date: 6/18/2008

Created By: Tracy R. Williams

Vertical Section at 148.69° [1000ft/in]



## Weatherford International Ltd. SURVEY REPORT



Company: XTO ENERGY

Field: UINTAH COUNTY, UT **RBU 23-19F** 

Site: **RBU 23-19F** Well:

Wellpath: 1

Date: 6/18/2008 Time: 08:56:49

Page: Co-ordinate(NE) Reference: Well: RBU 23-19F, True North

Vertical (TVD) Reference: SITE 5137.0

Section (VS) Reference: Well (0.00N,0.00E,148.69Azi)

Survey Calculation Method: Minimum Curvature Db: Sybase

Survey #1 Survey:

Start Date:

6/10/2008

Company: Tool:

Weatherford International Ltd. MWD:MWD - Standard

Engineer: Tied-to:

Tracy R. Williams From Surface

Field:

UINTAH COUNTY, UT

Map SystemUS State Plane Coordinate System 1983

Geo Datum GRS 1980 Sys Datum: Mean Sea Level Map Zone:

Utah, Central Zone

Coordinate System:

Well Centre bggm2007

Geomagnetic Model:

Site:

**RBU 23-19F** 

Site Position: From: Geographic Northing: 7151269.37 ft 2142169.27 ft

Latitude:

56 17.740 N 39

Easting:

Longitude:

109 42 37.430 W

North Reference:

True

5123.00 ft Ground Level:

Grid Convergence:

1.15 deg

Well:

**RBU 23-19F** 

Vertical Section: Depth From (TVD)

+N/-S+E/-W

0.00 ft 0.00 ft Easting:

Northing: 7151269.37 ft Latitude: 2142169.27 ft Longitude: 39 56 17.740 N 42 37.430 W

Position Uncertainty:

Position Uncertainty:

0.00 ft

52600 nT

0.00 ft

**Drilled From:** 

Slot Name:

Surface 0.00 ft

Current Datum: SITE Field Strength:

Wellpath: 1

Well Position:

Magnetic Data:

5/30/2008

Height 5137.00 ft

+N/-S

ft

Tie-on Depth: Above System Datum: Mean Sea Level

Declination: Mag Dip Angle: 11.57 deg 65.85 deg

Direction

+E/-W ft

148.69

0.00

0.00 0.00 deg

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
82.0	0 0.44	96.57	82.00	-0.04	0.31	0.19	0.54	0.54	0.00	
156.0	0 0.38	122.70	156.00	-0.20	0.80	0.59	0.26	-0.08	35.31	
218.0	0.18	97.96	218.00	-0.33	1.07	0.83	0.37	-0.32	-39.90	
279.0	0 0.74	138.88	278.99	-0.64	1.42	1.28	1.01	0.92	67.08	
341.0	0 1.69	156.20	340.98	-1.77	2.06	2.58	1.63	1.53	27.94	
403.0	0 2.63	146.57	402.94	-3.80	3.21	4.91	1.62	1.52	-15.53	
464.0	0 3.81	149.07	463.84	-6.70	5.02	8.34	1.95	1.93	4.10	
528.0	0 5.75	152.57	527.61	-11.37	7.59	13.66	3.06	3.03	5.47	
587.0	0 7.81	151.07	586.20	-17.51	10.89	20.62	3.50	3.49	-2.54	
649.0	0 10.13	148.45	647.43	-25.84	15.79	30.28	3.80	3.74	-4.23	
710.0	0 12.38	147.82	707.26	-35.95	22.08	42.18	3.69	3.69	-1.03	
772.0		148.82	767.60	-48.05	29.53	56.40	2.85	2.82	1.61	
834.0	0 14.25	147.82	827.71	-60.98	37.52	71.60	0.44	0.19	-1.61	
895.0	0 14.19	144.45	886.84	-73.42	45.86	86.56	1.36	-0.10	-5.52	
957.0	0 14.50	147.70	946.91	-86.16	54.43	101.90	1.39	0.50	5.24	
1017.0	0 14.25	147.95	1005.03	-98.77	62.36	116.79	0.43	-0.42	0.42	
1080.0	0 14.15	145.24	1066.11	-111.67	70.86	132.23	1.07	-0.16	-4.30	
1144.0		145.82	1128.21	-124.42	79.62	147.67	0.57	-0.53	0.91	
1208.0	0 13.75	150.70	1190.37	-137.37	87.63	162.90	1.82	-0.09	7.62	
1270.0	0 13.50	148.70	1250.63	-149.98	95.00	177.50	0.86	-0.40	-3.23	
1333.0		144.70	1311.82	-162.51	103.24	192.49	1.75	0.89	-6.35	
1395.0		144.45	1371.75	-175.45	112.45	208.33	2.53	2.53	-0.40	
1458.0	0 14.75	149.32	1432.55	-189.25	121.47	224.82	2.46	-1.40	7.73	



## Weatherford International Ltd. **SURVEY REPORT**



Company: XTO ENERGY

UINTAH COUNTY, UT Field:

RBU 23-19F RBU 23-19F Site: Well:

Wellpath: 1

Date: 6/18/2008 Time: 08:56:49

Page: Co-ordinate(NE) Reference: Well: RBU 23-19F, True North

Vertical (TVD) Reference: SITE 5137.0

Section (VS) Reference:

Well (0.00N,0.00E,148.69Azi)
Minimum Curvature Db: Sybase Survey Calculation Method: Minimum Curvature

C										
Survey										
MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
1522.00	14.19	151.45	1494.52	-203.15	129.38	240.80	1.21	-0.87	3.33	
1585.00	13.88	151.57	1555.64	-216.58	136.67	256.06	0.49	-0.49	0.19	
1648.00	13.75	154.70	1616.81	-229.99	143.47	271.05	1.20	-0.21	4.97	
1709.00	13.31	154.07	1676.12	-242.86	149.63	285.25	0.76	-0.72	-1.03	
1770.00	12.57	151.16	1735.57	-254.99	155.91	298.88	1.62	-1.21	-4.77	
1831.00	12.63	150.20	1795.10	-266.59	162.42	312.17	0.36	0.10	-1.57	
1893.00	13.44	150.45	1855.51	-278.74	169.34	326.15	1.31	1.31	0.40	
1954.00	13.94	149.20	1914.77	-291.22	176.60	340.59	0.95	0.82	-2.05	
2015.00	13.75	148.57	1974.00	-303.72	184.15	355.18	0.40	-0.31	-1.03	
2078.00	13.13	149.20	2035.27	-316.25	191.71	369.83	1.01	-0.98	1.00	
2163.00	13.13	149.25	2118.05	-332.84	201.59	389.13	0.01	0.00	0.06	
2243.00	13.13	144.32	2195.96	-348.03	211.54	407.28	1.40	0.00	-6.16	
2247.15	13.15	144.28	2200.00	-348.80	212.09	408.22	0.60	0.56	-0.93	9 5/8" PLAN
2305.00	13.48	143.76	2256.30	-359.58	219.92	421.50	0.60	0.56	-0.90	
2397.00	13.25	149.57	2345.81	-377.32	231.60	442.73	1.48	-0.25	6.32	
2490.00	14.19	149.19	2436.16	-396.30	242.84	464.78	1.02	1.01	-0.41	
2583.00	12.50	147.70	2526.64	-414.60	254.05	486.25	1.85	-1.82	-1.60	
2675.00	12.81	151.20	2616.41	-431.96	264.29	506.39	0.90	0.34	3.80	
2766.00	14.00	152.32	2704.93	-450.54	274.26	527.45	1.34	1.31	1.23	
2857.00	15.44	151.95	2792.94	-470.98	285.07	550.53	1.59	1.58	-0.41	
2949.00	14.81	151.20	2881.75	-492.10	296.49	574.51	0.72	-0.68	-0.82	
3041.00	14.17	150.11	2970.82	-512.16	307.77	597.51	0.76	-0.70	-1.18	
3133.00	14.81	149.70	3059.90	-532.08	319.31	620.53	0.70	0.70	-0.45	
3229.00	13.81	148.20	3152.92	-552.41	331.54	644.25	1.11	-1.04	-1.56	
3324.00	15.88	142.07	3244.75	-572.30	345.51	668.51	2.73	2.18	-6.45	
3418.00	14.38	139.07	3335.49	-591.26	361.06	692.79	1.80	-1.60	-3.19	
3514.00	13.31	136.57	3428.70	-608.30	376.47	715.35	1.28	-1.11	-2.60	
3609.00	13.94	140.70	3521.03	-625.09	391.24	737.37	1.22	0.66	4.35	
3704.00	12.38	139.32	3613.53	-641.67	405.12	758.75	1.67	-1.64	-1.45	
3765.00	12.25	139.57	3673.13	-651.56	413.58	771.60	0.23	-0.21	0.41	
3829.00	12.38	143.07	3735.65	-662.21	422.11	785.13	1.18	0.20	5.47	
3893.00	12.50	148.07	3798.15	-673.57	429.89	798.88	1.69	0.19	7.81	
3988.00	10.38	151.57	3891.26	-689.83	439.41	817.71	2.35	-2.23	3.68	
4083.00	8.88	147.70	3984.92	-703.55	447.40	833.59	1.72	-1.58	-4.07	
4179.00	7.31	147.57	4079.96	-714.97	454.63	847.11	1.64	-1.64	-0.14	
4272.00	8.63	154.57	4172.06	-726.27	460.80	859.96	1.76	1.42	7.53	
4365.00	8.19	157.57	4264.06	-738.69	466.33	873.45	0.67	-0.47	3.23	
4460.00	8.75	159.20	4358.03	-751.70	471.48	887.24	0.64	0.59	1.72	
4554.00	7.56	159.07	4451.08	-764.16	476.22	900.35	1.27	-1.27	-0.14	
4650.00	6.75	155.95	4546.33	-775.21	480.78	912.16	0.94	-0.84	-3.25	
4745.00	6.00	153.32	4640.74	-784.75	485.28	922.65	0.85	-0.79	-2.77	
4840.00	3.63	156.32	4735.40	-791.94	488.72	930.58	2.51	-2.49	3.16	
4936.00	3.50	155.57	4831.21	-797.39	491.15	936.50	0.14	-0.14	-0.78	
5030.00	2.88	159.20	4925.07	-802.21	493.18	941.67	0.69	-0.66	3.86	
5126.00	2.88	162.07	5020.95	-806.76	494.78	946.39	0.15	0.00	2.99	
5218.00	3.31	149.07	5112.81	-811.24	496.85	951.29	0.89	0.47	-14.13	
5402.00	3.50	150.95	5296.49	-820.70	502.31	962.22	0.12	0.10	1.02	
5495.00	3.44	152.07	5389.32	-825.65	505.00	967.84	0.10	-0.06	1.20	
5586.00	2.75	163.32	5480.18	-830.15	506.90	972.68	1.01	-0.76	12.36	
5678.00	0.25	203.32	5572.15	-832.45	507.46	974.93	2.79	-2.72	43.48	
5952.00	0.63	174.95	5846.14	-834.50	507.35	976.63	0.16	0.14	-10.35	
6446.00	1.08	149.58	6340.08	-841.22	509.95	983.72	0.12	0.09	-5.14	



## Weatherford International Ltd. **SURVEY REPORT**



Company: XTO ENERGY Field:

UINTAH COUNTY, UT

RBU 23-19F RBU 23-19F Site: Well:

Wellpath: 1

Date: 6/18/2008 Time: 08:56:49

Co-ordinate(NE) Reference: Well: RBU 23-19F, True North

Vertical (TVD) Reference: SITE 5137.0

Section (VS) Reference: Well (0.00N,0.00E,148.69Azi)
Survey Calculation Method: Minimum Curvature DI

Db: Sybase

#### Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
6968.00	1.75	160.45	6861.92	-852.97	515.11	996.44	0.14	0.13	2.08	
7459.00	1.91	162.06	7352.67	-867.82	520.14	1011.74	0.03	0.03	0.33	
7953.00	2.05	168.95	7846.38	-884.33	524.37	1028.04	0.06	0.03	1.39	LAST SVY
8085.00	2.05	168.95	7978.29	-888.96	525.27	1032.47	0.00	0.00	0.00	PROJ SVY

#### Annotation

MD ft	TVD ft		 		
7953.00 8085.00	7846.38 7978.29	LAST SVY PROJ SVY			

	STATE OF UTAH		FORM 9								
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: U013769-A								
SUNDF	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:								
	sals to drill new wells, significantly deepen gged wells, or to drill horizontal laterals. Us		7.UNIT or CA AGREEMENT NAME: RIVER BEND								
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: RBU 23-19F								
2. NAME OF OPERATOR: XTO ENERGY INC			9. API NUMBER: 43047385530000								
3. ADDRESS OF OPERATOR: 382 Road 3100 , Aztec, NM, 8	7410 505 333-3159 Ext	PHONE NUMBER:	9. FIELD and POOL or WILDCAT: NATURAL BUTTES								
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0654 FNL 3156 FWL			COUNTY: UINTAH								
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NENW Section: 19	P, RANGE, MERIDIAN: Township: 10.0S Range: 20.0E Meridian: S	S	STATE: UTAH								
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA											
TYPE OF SUBMISSION TYPE OF ACTION											
	ACIDIZE	ALTER CASING	☐ CASING REPAIR								
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME								
✓ SUBSEQUENT REPORT	☐ CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE								
Date of Work Completion:	☐ DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION								
12,31,2003	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK								
SPUD REPORT Date of Spud:	✓ PRODUCTION START OR RESUME □ REPERFORATE CURRENT FORMATION	RECLAMATION OF WELL SITE SIDETRACK TO REPAIR WELL	☐ RECOMPLETE DIFFERENT FORMATION ☐ TEMPORARY ABANDON								
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL								
☐ DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION								
Report Date:	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:								
12 DESCRIPT PROPOSED OF SO											
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  XTO Energy Inc. has returned this well to production per the attached summary report.  Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD, ONLY  NAME (PLEASE PRINT)  PHONE NUMBER TITLE											
Barbara Nicol	505 333-3642	Regulatory Compliance Tech									
SIGNATURE N/A		<b>DATE</b> 1/4/2010									

#### EXECUTIVE SUMMARY REPORT

12/14/2009 - 1/4/2010 Report run on 1/4/2010 at 9:52 AM

#### Riverbend Unit 23-19F

12/15/2009	First report to unhibernate & RWTP. MIRU Key #6013. ND WH. NU BOP. TIH w/1 jt tbg. Latch onto & rls Model C RBP. TOH w/ 106 jts $2.375^{"}$ , $4.7$ , L-80, EUE tbg. LD RBP. Cont TOH w/54 jts $2.375^{"}$ , $4.7$ , L-80, EUE tbg. TIH w/4.75 bit, $5.5^{"}$ csg scr & 75 jts $2.375^{"}$ tbg. SWI & SDFN.
12/16/2009	TIH w/4.75'' bit, 5.5'' csg scr & 261 jts tbg. Tgd 12' sd fill @ 8590'.  PBTD @ 8602'. TOH w/261 jts tbg. LD bit & scr. TIH w/mule shoe col, 2-3/8"  SN & 175 jts 2-3/8'', 4.7#, N-80, EUE tbg. SWI & SDFN.
12/17/2009	BD well. TIH w/mule shoe col, 2-3/8" SN & 251 jts 2-3/8", 4.7#, N-80, EUE tbg. Ld on hgr, ND BOP. NU WH. SN @ 8271', EOT @ 8272', WA/MV perfs fr/5307' - 8437'. RU swb tls & RIH w/1.91" tbg broach to SN @ 8271'. No ti spots. POH & Ld broach. Pmp 10 bbls TFW, Dropd SV & PT tbg to 2,000 psig w/21 bbls TFW. Tstd gd. Rlsd press, RU & RIH w/fishing tls on sd ln. Retrv SV. RDMO Key Energy #6013. SWI WO multi well pad completion work to RWTP.
12/31/2009	The River Bend Unit 23-19F was TA'd to deepen the River Bend Unit 3-19FX as of 7/23/09. XTO # 165664. AFE # 803855. Reactivated 12/31/09 @ 2:00 p.m. FITP 1150 psig, SICP 1300 psig, IFR 865 MCFPD. This well is on Route #206. XTO meter RS 1551 RF, Group #10, Address 79, Hill Creek CDP RS 0756C. RWTP @ 2:00 p.m., 12/31/09. Final rpt. Start test data.

	STATE OF UTAH		FORM 9								
	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINI		5.LEASE DESIGNATION AND SERIAL NUMBER: U013769-A								
SUND	RY NOTICES AND REPORTS (	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:								
	sals to drill new wells, significantly deepen e ugged wells, or to drill horizontal laterals. Us		7.UNIT or CA AGREEMENT NAME: RIVER BEND								
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: RBU 23-19F								
2. NAME OF OPERATOR: XTO ENERGY INC			9. API NUMBER: 43047385530000								
3. ADDRESS OF OPERATOR: 382 Road 3100 , Aztec, NM, 8		NE NUMBER:	9. FIELD and POOL or WILDCAT: NATURAL BUTTES								
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0654 FNL 3156 FWL QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NENW Section: 19	I <b>P, RANGE, MERIDIAN:</b> ) Township: 10.0S Range: 20.0E Meridian: S		COUNTY: UINTAH STATE: UTAH								
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA											
TYPE OF SUBMISSION TYPE OF ACTION											
XTO Energy Inc. 7/12/2010: MIRU Pro & RIH w/1.625" BE	□ CHANGE TO PREVIOUS PLANS □ CHANGE WELL STATUS □ DEEPEN □ OPERATOR CHANGE □ PRODUCTION START OR RESUME □ REPERFORATE CURRENT FORMATION □ TUBING REPAIR □ WATER SHUTOFF □ WILDCAT WELL DETERMINATION  DMPLETED OPERATIONS. Clearly show all perticulation Logging Services SLU. B, tgd fill @ 8,563' FS. POH & L to SN, no tihgt spots found. PC SN. POH & LD 1.908" tbg brown 1:00am, 7/12/10. RDMO Production SLU. Final Rprt, start test days.	lift per the following: Bd tbg. SN @ 8,270'. RU D 1.625" BB. PU & RIH DH & drpd new PCS BHES Dach. Dropped PCS	Accepted by the Utah Division of								
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE									
Barbara Nicol	505 333-3642	Regulatory Compliance Tech									
<b>SIGNATURE</b>   N/A		<b>DATE</b> 7/15/2010									

Sundry Number: 63270 API Well Number: 43047385530000

	STATE OF UTAH			FORM 9						
	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND MI			5.LEASE DESIGNATION AND SERIAL NUMBER: U013769-A						
SUNDR	RY NOTICES AND REPORTS	S ON V	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:						
	oposals to drill new wells, significantly reenter plugged wells, or to drill horiz n for such proposals.			7.UNIT or CA AGREEMENT NAME: RIVER BEND						
1. TYPE OF WELL Gas Well				8. WELL NAME and NUMBER: RBU 23-19F						
2. NAME OF OPERATOR: XTO ENERGY INC				<b>9. API NUMBER:</b> 43047385530000						
3. ADDRESS OF OPERATOR: PO Box 6501 , Englewood,	CO, 80155 303 397		NE NUMBER: Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES						
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0654 FNL 3156 FWL				COUNTY: UINTAH						
QTR/QTR, SECTION, TOWNSH	<b>HIP, RANGE, MERIDIAN:</b> 19 Township: 10.0S Range: 20.0E Mei	ridian: S	5	STATE: UTAH						
11. CHEC	K APPROPRIATE BOXES TO INDICA	ATE NA	TURE OF NOTICE, REPOR	T, OR OTHER DATA						
TYPE OF SUBMISSION TYPE OF ACTION										
	✓ ACIDIZE		TER CASING	CASING REPAIR						
NOTICE OF INTENT	CHANGE TO PREVIOUS PLANS	СН	HANGE TUBING	CHANGE WELL NAME						
Approximate date work will start:	CHANGE WELL STATUS	☐ cc	DMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE						
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN		RACTURE TREAT	NEW CONSTRUCTION						
4/30/2015	OPERATOR CHANGE		UG AND ABANDON	PLUG BACK						
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME		ECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION						
	REPERFORATE CURRENT FORMATION	∟ SII	DETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON						
DRILLING REPORT	L TUBING REPAIR	∐ VE	ENT OR FLARE	WATER DISPOSAL						
Report Date:	WATER SHUTOFF	∟ sı	TA STATUS EXTENSION	APD EXTENSION						
	WILDCAT WELL DETERMINATION	ГО	THER	OTHER:						
	completed operations. Clearly show performed an acid treatme attached summary repo	nt on		epths, volumes, etc.  Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 14, 2015						
NAME (PLEASE PRINT) Barbara Nicol	PHONE NUM 303-397-3736		TITLE Regulatory Analyst							
SIGNATURE	3U3-397-373b	_	DATE							
N/A			5/14/2015							

Sundry Number: 63270 API Well Number: 43047385530000

#### Riverbend Unit 23-19F

4/27/2015: MIRU SLU. RU & RIH w/fishing tls. Tgd in tbg. POH. Rec plngr. RIH w/ fishing tls. Tgd in tbg. POH. Could not rec BHBS w/SV. RU & RIH w/ tbg broach. Tgd in tbg. POH. SWI. RDMO SLU.

4/28/2015: MIRU acid pmp trk. NU to tbg vlv. Tst hd lines, gd tst. Pmp 50 gal 15% HCL & 5 bbls TFW flush dwn tbg. NU hd lines to csg vlv. Tstd hd lines, tstd gd. Pmp 700 gal 15% HCL acid dwn csg. Pmp 60 bbl TFW & 5 gal H2S scavenger flush dwn csg. ND hd line. SWIFPBU & SDFN. RDMO pmp trk.

**4/29/2015:** MIRU SWU. RU & RIH w/swb tls. Swab 3 runs (2 hrs). Well KO flwg. Dropd plng. Attempted to cycle plng to surf w/no succ. Contd swbg. RIH w/swb tls. Swab 1 run, FFL @ 7,100' FS. PH 5. Well KO flwg & recd plng. Dropd same plng. Attempted to cycle plng to surf w/no succ. SDFN.

4/30/2015: Well failed to run over night. RU & RIH w/swb tls. Swab 1 run (1 hr). Well KO flwg. Recd plng. Dropd same plng. Cycle plng to tk. Dropd same plng. Cycle plng to surf two times before RWTP. 04/30/15. RDMO SWU.